Warning

- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

JMI-0107

JQA-1452

About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.

EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

DAIKIN INDUSTRIES, LTD.

Head Office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global_ac/

©All rights reserved

Printed in Japan 05/08/005 SW·HP·SS

●Specifications, designs and other content appearing in this brochure are current as of May 2008 but subject to change without notice.

DAIKIN

PCS0316H

SkyAir

AIR CONDITIONING SYSTEM

COOLING ONLY [50 Hz]

HEAT PUMP [50 Hz]

Creation of Comfort

R-22

A breath of Elegance

Stores often feature the latest in designed decor.
This refined beauty attracts people.
Meanwhile, offices have a functional beauty.
This encourages those within to work hard and apply intelligence and passion to their tasks.
In either situation, a certain elegance should fill the space because thinking minds require high quality air conditioning. SkyAir by Daikin realise a comfortable indoor environment. All over the world, stores, offices, and homes prefer the low operating sound, attractive

Product Line-up

Cooling only

SkyAir

Capacity

The values given for
1 HP is for FDGB type,
1.5 HP–6 HP is for FHYC type,
7 HP is for FDMG type,
8 HP–20 HP is for FD type.

	HP	1	1.5	2	2.5	3	4		5	6	7	8	10	15	20
	kW	2.6	3.5	5.3	6.4	7.7	10.5		12.8	14.2	16.8	24.0	29.2	47.9	58.4
	Btu/h	8,900	11,900	18,100	21,800	26,200	35,700		43,600	48,400	57,500	81,800	99,600	163,500	199,400
	kcal/h	2,250	3,010	4,560	5,500	6,600	9,000		11,000	12,200	14,400	20,600	25,100	41,200	50,200
CEILING MOUNTED CASSETTE TYPE (Page 11–14) Specifications Page 39 Dimensions Page 60	Indoor unit		FHC35KVE	FHC50KVE	FHC60KVE	FHYC71KVE	FHYC100KVE		FHYC125KVE	FHYC140KVE					
	Outdoor unit		R35GV1	R50GV1	R60GV1	R71LUV1 / Y1	R100LUV1 / Y1		R125LUY1	R140LUY1					
CEILING SUSPENDED TYPE (Page 15–16) Specifications Page 39 Dimensions Page 60	Indoor unit		FH35BVE	FH50BVE	FH60BVE	FHY71BVE	FHY100BVE		FHY125BVE						
	Outdoor unit		R35GV1	R50GV1	R60GV1	R71LUV1 / Y1	R100LUV1 / Y1		R125LUY1						
CEILING SUSPENDED CASSETTE TYPE (Page 17–18) Specifications Page 40 Dimensions Page 61	Indoor unit					FUY71FJV1	FUY100FJV1		FUY125FJV1						
	Outdoor unit					R71LUV1 / Y1	R100LUV1 / Y1		R125LUY1						
CEILING MOUNTED CASSETTE CORNER TYPE (Page 19–20) Specifications Page 40 Dimensions Page 61	Indoor unit		FHK35FV1	FHK45FV1	FHK60FV1	FHYK71FJV1									
	Outdoor unit		R35GV1	R50GV1	R60GV1	R71LUV1 / Y1									
CEILING MOUNTED BUILT-IN TYPE (Page 21–22) Specifications Page 41 Dimensions Page 62	Indoor unit		FHB35FV1	FHB45FV1	FHB60FV1	FHYB71FV1	FHYB100FV1		FHYB125FV1						
	Outdoor unit		R35GV1	R50GV1	R60GV1	R71LUV1 / Y1	R100LUV1 / Y1		R125LUY1						
WALL MOUNTED TYPE (Page 23–24) Specifications Page 41 Dimensions Page 62,63	Indoor unit					FAY71LVE	FAY100FAVE								
	Outdoor unit					R71LUV1 / Y1	R100LUV1 / Y1								
FLOOR STANDING TYPE (Page 25–26) Specifications Page 42 Dimensions Page 63	Indoor unit					FVY71LAVE	FVY100LAVE		FVY125LAVE						
	Outdoor unit					R71LUV1 / Y1	R100LUV1 / Y1		R125LUY1						
PACKAGED AIR CONDITIONERS															
DUCT CONNECTION (Page 27–30) **LOW STATIC PRESSURE TYPE** Specifications Page 42 Dimensions Page 64	Indoor unit	FDBG25AVE	FDBG35AVE	FDBG50AVE	FDBG60AVE	FDBG71AVE									
	Outdoor unit	R25JV1	R35JV1	R50GV1	R60GV1	R71FUV1 / Y1									
MIDDLE STATIC PRESSURE TYPE Specifications Page 43 Dimensions Page 64,65	Indoor unit					(FDMG) FDMG71AV1	(FDMG) FDMG100AV1		(FDMG) FDMG125AV1	(FDMG) FDMG140AV1	(FDMG) FDMG180AV1				
	Outdoor unit					RG71AV1 / Y1	R100FUV1 / Y1		R125FUY1	RG140AY1	RG180AY1				
	Indoor unit					(FDYM) FDYM03FAV1	(FDYM) FDYM04FAV1		(FDYM) FDYM05FAV1	FDYM06FAV1					
	Outdoor unit					R71LUV1 / Y1	R100LUV1 / Y1		R125LUY1	R140LUY1					
HIGH STATIC PRESSURE TYPE Specifications Page 44,45 Dimensions Page 65–67	Indoor unit					FD03KY1	FD04KY1		FD05KY1	FD06KY1		FD08KY1	FD10KY1	FD15KY1	FD20KY1
	Outdoor unit					R71FUY1	R100FUY1		R125FUY1	RU06KY1		RU08KUY1	RU10KUY1	RU08KUY1 × 2	RU10KUY1 × 2
	Outdoor unit	(Type without factory charged refrigerant)										RU08KY1	RU10KY1	RU08KY1 × 2	RU10KY1 × 2

OUTDOOR UNIT

(Page 33–34) Dimensions Page 68–74

R25JV1	R35GV1 R35JV1	R50GV1	R60GV1	R71LUV1 R71LUY1 R71FUY1 RG71AV1 RG71AY1	R100LUV1 R100LUY1 R100FUV1	R125LUY1 R125FUY1	R140LUY1 RU06KY1 RG140AY1

RG180AY1	RU08KUY1 RU08KY1	RU10KUY1 RU10KY1	RU08KUY1 × 2 RU08KY1 × 2

RU10KUY1 × 2 RU10KY1 × 2

Product Line-up

Cooling only

SkyAir

Simultaneous operation system TWIN MULTI OPERATION

Page 31–32
Specifications Page 46–48

Capacity

The values given on the right are for the FHYC type.

	HP	3	4	5	6	8	10
	kW	**7.7**	**10.5**	**12.8**	**14.2**	**22.2**	**26.6**
	Btu/h	26,200	35,700	43,600	48,400	75,800	90,800
	kcal/h	6,600	9,000	11,000	12,200	19,100	22,900
CEILING MOUNTED CASSETTE TYPE	Indoor unit	FHYC35KVE × 2	FHYC50KVE × 2	FHYC60KVE × 2	FHYC71KVE × 2	FHYC100KVE × 2	FHYC125KVE × 2
	Outdoor unit	R71LUV1 / Y1	R100LUV1 / Y1	R125LUY1	R140LUY1	R200KUY1	R250KUY1
CEILING SUSPENDED TYPE	Indoor unit	FHY35BVE × 2	FHY50BVE × 2	FHY60BVE × 2	FHY71BVE × 2	FHY100BVE × 2	FHY125BVE × 2
	Outdoor unit	R71LUV1 / Y1	R100LUV1 / Y1	R125LUY1	R140LUY1	R200KUY1	R250KUY1
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	Indoor unit					FDYM04FAV1 × 2	FDYM05FAV1 × 2
	Outdoor unit					R200KUY1	R250KUY1
OUTDOOR UNIT Page 33–34		R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1	R140LUY1	R200KUY1	R250KUY1

Simultaneous operation system TRIPLE MULTI OPERATION

Page 31–32
Specifications Page 46–48

Capacity

The values given on the right are for the FHYC type.

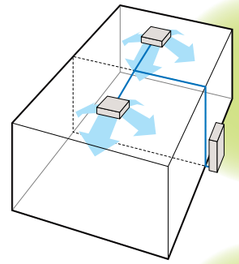
	HP	6	8
	kW	**14.2**	**22.2**
	Btu/h	48,400	75,800
	kcal/h	12,200	19,100
CEILING MOUNTED CASSETTE TYPE	Indoor unit	FHYC50KVE × 3	FHYC71KVE × 3
	Outdoor unit	R140LUY1	R200KUY1
CEILING SUSPENDED TYPE	Indoor unit	FHY50BVE × 3	FHY71BVE × 3
	Outdoor unit	R140LUY1	R200KUY1
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	Indoor unit		FDYM03FAV1 × 3
	Outdoor unit		R200KUY1
OUTDOOR UNIT Page 33–34		R140LUY1	R200KUY1

Simultaneous operation system DOUBLE TWIN MULTI OPERATION

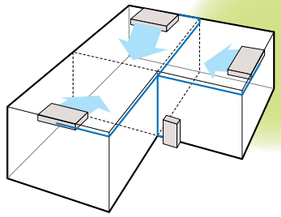
Page 31–32
Specifications Page 46–48

	HP	8	10
	kW	**22.2**	**26.6**
	Btu/h	75,800	90,800
	kcal/h	19,100	22,900
CEILING MOUNTED CASSETTE TYPE	Indoor unit	FHYC50KVE × 4	FHYC60KVE × 4
	Outdoor unit	R200KUY1	R250KUY1
CEILING SUSPENDED TYPE	Indoor unit	FHY50BVE × 4	FHY60BVE × 4
	Outdoor unit	R200KUY1	R250KUY1
OUTDOOR UNIT Page 33–34		R200KUY1	R250KUY1

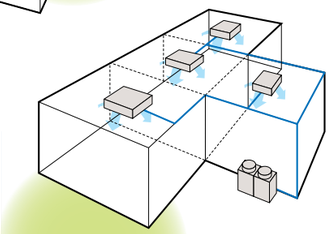
Simultaneously running 2 to 4 units distributes comfort across wide spaces.



Simultaneous control with 2 units in spacious space



Simultaneous control with 3 units for irregularly shaped space



Simultaneous control with 4 units for large space

Product Line-up

Heat pump

SkyAir

Capacity

The values given on the right are for the FHYC type. Values for other types may differ slightly.
The values given for 8HP to 20HP are for the FDY type.

		HP	1.5	2	2.5	3	4	5	6	8	10	15	20
Cooling		kW	**3.75**	**5.2**	**6.15**	**7.7**	**10.4**	**12.8**	**14.2**	**22.2**	**27.1**	**43.5**	**53.0**
		Btu/h	12,800	17,800	21,000	26,200	35,300	43,600	48,400	75,700	92,500	148,000	181,000
		kcal/h	3,230	4,470	5,290	6,600	8,900	11,000	12,220	19,100	23,300	37,400	45,600
Heating		kW	**4.22**	**5.8**	**7.0**	**7.9**	**11.2**	**14.2**	**16.3**	**23.2**	**29.5**	**44.8**	**56.8**
		Btu/h	14,400	19,800	23,900	27,000	38,100	48,400	56,000	79,200	100,700	153,000	194,000
		kcal/h	3,630	4,990	6,020	6,800	9,600	12,200	14,000	20,000	25,400	38,500	48,800

CEILING MOUNTED CASSETTE TYPE

Page 11–14 Specifications Page 49 Dimensions Page 60

Indoor unit	FHYC35KVE	FHYC50KVE	FHYC60KVE	FHYC71KVE	FHYC100KVE	FHYC125KVE	FHYC140KVE
Outdoor unit	RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1	RY140LUY1

CEILING SUSPENDED TYPE

Page 15–16 Specifications Page 49 Dimensions Page 60

Indoor unit	FHY35BVE	FHY50BVE	FHY60BVE	FHY71BVE	FHY100BVE	FHY125BVE
Outdoor unit	RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1

CEILING SUSPENDED CASSETTE TYPE

Page 17–18 Specifications Page 50 Dimensions Page 61

Indoor unit	FUY71FJV1	FUY100FJV1	FUY125FJV1
Outdoor unit	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1

CEILING MOUNTED CASSETTE CORNER TYPE

Page 19–20 Specifications Page 50 Dimensions Page 61

Indoor unit	FHYK35FJV1	FHYK45FJV1	FHYK60FJV1	FHYK71FJV1
Outdoor unit	RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 / Y1

CEILING MOUNTED BUILT-IN TYPE

Page 21–22 Specifications Page 51 Dimensions Page 62

Indoor unit	FHYB35FV1	FHYB45FV1	FHYB60FV1	FHYB71FV1	FHYB100FV1	FHYB125FV1
Outdoor unit	RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1

WALL MOUNTED TYPE

Page 23–24 Specifications Page 51 Dimensions Page 62,63

Indoor unit	FAY71LVE	FAY100FAVE
Outdoor unit	RY71LUV1 / Y1	RY100LUV1 / Y1

FLOOR STANDING TYPE

Page 25–26 Specifications Page 52 Dimensions Page 63

Indoor unit	FVY71LAVE	FVY100LAVE	FVY125LAVE
Outdoor unit	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1

PACKAGED AIR CONDITIONERS

DUCT CONNECTION

Page 27–30

LOW STATIC PRESSURE TYPE

Specifications Page 52 Dimensions Page 64

Indoor unit	FDYB35KAVE	FDYB50KAVE	FDYB60KAVE	FDYB71KAVE				
Outdoor unit	RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 / Y1				

MIDDLE STATIC PRESSURE TYPE

Specifications Page 53 Dimensions Page 64,65

Indoor unit	FDYM03FAV1	FDYM04FAV1	FDYM05FAV1	FDYM06FAV1		
Outdoor unit	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1	RY140LUY1		

HIGH STATIC PRESSURE TYPE

Specifications Page 54 Dimensions Page 65–67

Indoor unit	FDY06KAY1	FDY08KAY1	FDY10KAY1	FDY15KAY1	FDY20KAY1	
Outdoor unit	RY140LUY1	RY200KUY1	RY250KUY1	RY200KUY1 × 2	RY250KUY1 × 2	

OUTDOOR UNIT

Page 33–34 Dimensions Page 68–74

RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1	RY140LUY1	RY200KUY1	RY250KUY1	RY200KUY1 × 2	RY250KUY1 × 2

Product Line-up

Heat pump

Simultaneous operation system TWIN MULTI OPERATION

Page 31–32
Specifications Page 54–56

	HP	3	4	5	6	8	10
Capacity Cooling / Heating. The values given on the right are for the FHYC type.	kW	**7.7/7.9**	**10.4/11.2**	**12.8/14.2**	**14.2/16.3**	**22.2/22.7**	**26.6/28.4**
	Btu/h	26,200/27,000	35,300/38,100	43,600/48,400	48,400/56,000	75,800/77,500	90,800/97,000
	kcal/h	6,600/6,800	8,900/9,600	11,000/12,200	12,200/14,000	19,100/19,500	22,900/24,400
CEILING MOUNTED CASSETTE TYPE	Indoor unit	FHYC35KVE × 2	FHYC50KVE × 2	FHYC60KVE × 2	FHYC71KVE × 2	FHYC100KVE × 2	FHYC125KVE × 2
	Outdoor unit	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1	RY140LUY1	RY200KUY1	RY250KUY1
CEILING SUSPENDED TYPE	Indoor unit	FHY35BVE × 2	FHY50BVE × 2	FHY60BVE × 2	FHY71BVE × 2	FHY100BVE × 2	FHY125BVE × 2
	Outdoor unit	RY71LUV1 / Y1	RY100LUV1 / Y1	RY125LUY1	RY140LUY1	RY200KUY1	RY250KUY1
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	Indoor unit					FDYM04FAV1 × 2	FDYM05FAV1 × 2
	Outdoor unit					RY200KUY1	RY250KUY1
OUTDOOR UNIT Page 33–34		RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1	RY140LUY1	RY200KUY1	RY250KUY1

Simultaneous operation system TRIPLE MULTI OPERATION

Page 31–32
Specifications Page 54–56

	HP	6	8
Capacity Cooling / Heating. The values given on the right are for the FHYC type.	kW	**14.2/16.3**	**22.2/22.7**
	Btu/h	48,400/56,000	75,800/77,500
	kcal/h	12,200/14,000	19,100/19,500
CEILING MOUNTED CASSETTE TYPE	Indoor unit	FHYC50KVE × 3	FHYC71KVE × 3
	Outdoor unit	RY140LUY1	RY200KUY1
CEILING SUSPENDED TYPE	Indoor unit	FHY50BVE × 3	FHY71BVE × 3
	Outdoor unit	RY140LUY1	RY200KUY1
DUCT CONNECTION LOW STATIC PRESSURE TYPE	Indoor unit		FDYB71KAVE × 3
	Outdoor unit		RY200KUY1
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	Indoor unit		FDYM03FAV1 × 3
	Outdoor unit		RY200KUY1
OUTDOOR UNIT Page 33–34		RY140LUY1	RY200KUY1

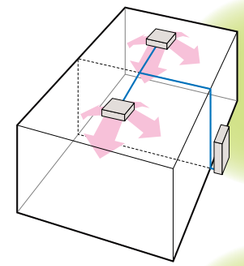
Simultaneous operation system DOUBLE TWIN MULTI OPERATION

Page 31–32
Specifications Page 54–56

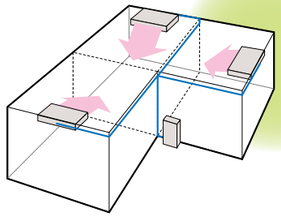
	HP	8	10
	kW	**22.2/22.7**	**26.6/28.4**
	Btu/h	75,800/77,500	90,800/97,000
	kcal/h	19,100/19,500	22,900/24,400
CEILING MOUNTED CASSETTE TYPE	Indoor unit	FHYC50KVE × 4	FHYC60KVE × 4
	Outdoor unit	RY200KUY1	RY250KUY1
CEILING SUSPENDED TYPE	Indoor unit	FHY50BVE × 4	FHY60BVE × 4
	Outdoor unit	RY200KUY1	RY250KUY1
DUCT CONNECTION LOW STATIC PRESSURE TYPE	Indoor unit	FDYB50KAVE × 4	FDYB60KAVE × 4
	Outdoor unit	RY200KUY1	RY250KUY1
OUTDOOR UNIT Page 33–34		RY200KUY1	RY250KUY1

SkyAir

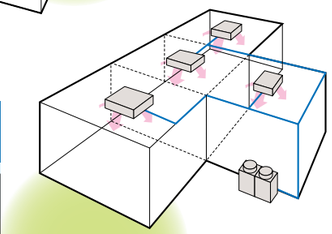
Simultaneously running 2 to 4 units distributes comfort across wide spaces.



Simultaneous control with 2 units in spacious space



Simultaneous control with 3 units for irregularly shaped space



Simultaneous control with 4 units for large space

CEILING MOUNTED CASSETTE TYPE

FH(Y)C

Cooling only FH(Y)C35KVE–140KVE
Heat pump FHYC35KVE–140KVE

Sound level
35/30dB(A)
High Low
FHYC71K

SUPER CASSETTE

Quiet, decor-blending form and easy installation in new or old buildings.

Accessory required for indoor unit (option)

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

Cooling only
BRC7C613W
Heat pump
BRC7C612W

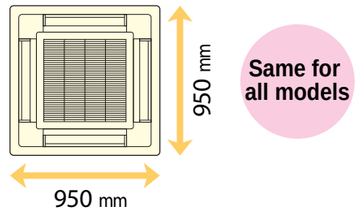
A signal receiver must be added to the indoor unit.

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Unified square panels

All models from the 35K to 140K use the same size panel. Multiple unit installations maintain a physical uniformity that is aesthetically pleasing and make it easier to plan ceiling lighting systems and to design interiors.



Same for all models

Compact body and quiet operation

Indoor units use an aerodynamically designed Diffuser Turbo Fan

Draft resistance has been reduced by incorporating, into a single unit, an impeller and a diffuser to control air flow inside the unit. The Diffuser Turbo Fan is both quiet during operation and compact.

dB(A)

Indoor unit	High	Low
35K	33	29
50K	33	29
60K	35	30
71K	35	30
100K	39	34
125K	42	36
140K	44	37

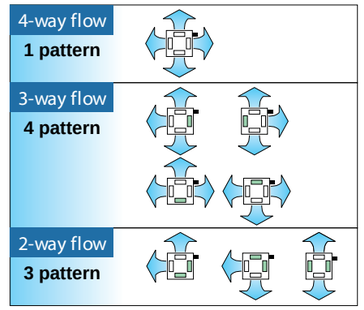
Note : Anechoic chamber conversion value, measured according to JIS parameters and

Optimal comfort and convenience assured by 3 air discharge modes

Air direction	Draft prevention setting	Standard setting	Setting to prevent soiling of ceiling
Desired situation	When drafts are unwanted	For gentle drafts (Ceiling is soiled.)	When ceilings must be kept spotless
Auto-swing	Auto-swing between 10° and 40°	Auto-swing between 10° and 65°	Auto-swing between 30° and 65°
5-levels air direction setting	Settable to 5 different levels between 10° and 40°	Settable to 5 different levels between 10° and 65°	Settable to 5 different levels between 30° and 65°
Draft prevention (In heating mode)	At heating startup and thermo OFF*, air direction is automatically set to a near horizontal 10° to prevent direct exposure to cool		At heating startup and thermo OFF*, air discharge is automatically set to 30° to prevent both direct exposure to cool air drafts and con-
Auto air direction control	The air direction is set automatically to the memorised position of the previous air direction. (Initial setting is 65° for heating and 30° for cooling.)		

Note: Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.
*When the thermostat turns off.

Multi-Flow System

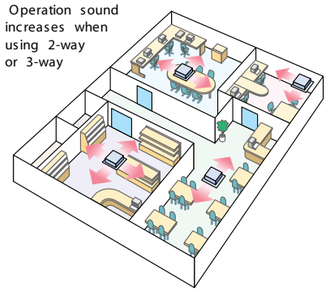


"■" denotes piping direction. "▭" denotes sealing member for air discharge outlet (option) .

Note: For 3-way or 2-way flow installation, the sealing member for air discharge outlet (option) must be used to close off the unused outlet(s).

Air direction can be selected according to installation.

Note: Operation sound increases when using 2-way or 3-way



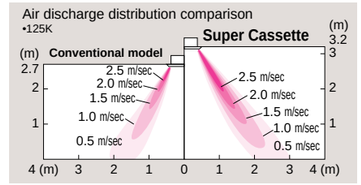
Two selectable temperature-sensors

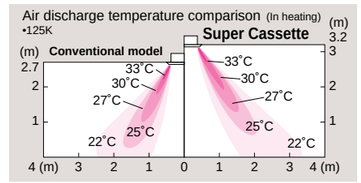
Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a

Wide air distribution

A newly shaped air discharge opening increases flow without increasing wind speed, hence discharged air reaches farther than before.





Suitable for high ceilings

■Criteria for ceiling height and number of air discharge outlets

Ceiling height	Number of air discharge outlets used	35K–71K			100K–140K		
		4-way flow	3-way flow	2-way flow	4-way flow	3-way flow	2-way flow
Standard		2.7 m	3.0 m	3.5 m	3.2 m	3.6 m	4.2 m
High ceiling ①		3.0 m	3.3 m	3.8 m	3.6 m	4.0 m	4.2 m
High ceiling ②		3.5 m	3.5 m	—	4.2 m	4.2 m	—

Note: Initial settings are for standard ceiling height and 4-way flow. High ceiling settings 1 and 2 are set from the remote

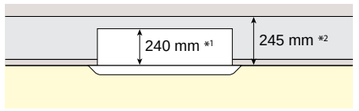
Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Quick and easy to install

Just 240 mm high. Installable in tight ceiling spaces (35K–71K)



*1 298 mm high with 100K–140K
*2 303 mm high with 100K–140K

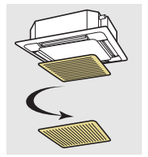
Easy height adjustment

Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

Note: If the wireless remote control option is installed, a light receptor unit is housed in one of the adjuster pock-

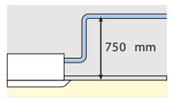
All models suspended without lift

Installable in any direction



Since the orientation of the intake grill can be adjusted after installing, the direction of the intake grill lines can be unified when multiple units are installed.

Drain pump is equipped as standard accessory with 750 mm lift.



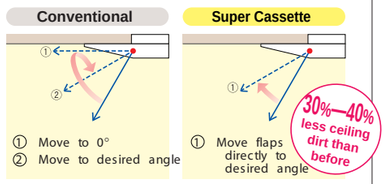
Easy installation for options

The high-performance filter and other options are easily clipped into place. There is no need for a screwdriver.

Easier to maintain

Stepping motor controls flaps to prevent soiled ceilings

Dust can be kept from blowing onto ceilings by directly setting flaps by hand or by remote control.


Conventional
Super Cassette
① Move to 0°
② Move to desired angle
① Move flaps directly to desired angle
30%—40% less ceiling dirt than before

Less cleaning work thanks to "Non-dew Flaps" with non-flocking

The use of non-flocking flaps minimises adnerring dart, so less cleaning work is needed.

Heat exchanger cleaning required only once every 3 years

The new long-life filter is 20% more efficient than the previous one. This has enabled further reductions in running costs by extending the heat-exchanger cleaning interval by once every two years to once every three years.

Self-diagnosis function

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

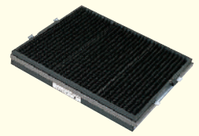
Supports simultaneous running of the twin, triple, and double twin multi operation.

See pages 31–32 for details of the Multi Series.

Options required for specific operating environments

Ultra long-life filter

Even in smoky environments where the air conditioning is on most of the time, the ultra long-life filter only has to be changed once a year.



Smoky atmosphere: annual filter change
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air Cleaner.)
1 year (Approx. 5,000 hr) ≒15 hr/day x 28 day/month x 12 month/year

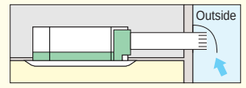
Ordinary store or office: filter change every 4 years
*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr) ≒8 hr/day x 25 day/month x 4 years

High-efficiency filter

Available in two types: 65% and 90% colorimetry.

Fresh air intake kit

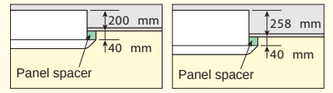
Using this kit, a duct can be fitted to increase the intake of outdoor air.



Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating noise and may also influence temperature sending.

Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



For 35K–71K indoor units For 100K–140K indoor units

Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

Sealing member for air discharge outlet

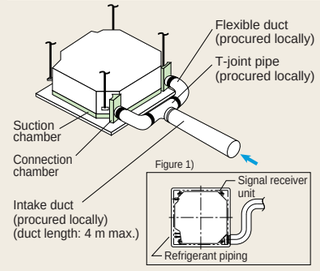
Sealing members block air discharge openings not used in 2-way or 3-way blow.

Branch duct chamber

This chamber lets you connect a round flexible duct to the air discharge opening at any time after the original installation.

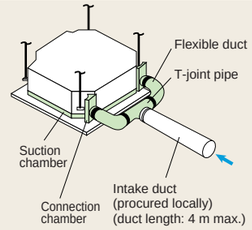
The units can be installed in the following different ways.

Chamber type (without T-joint pipe and fan)
Kit name: **KDDP55D160**



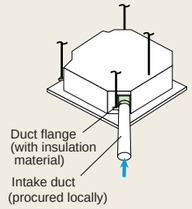
Notes: Requires an inspection port for maintenance access.
If intake ducts cannot be connected to both connection chambers due, for example, to an obstruction, single intake duct installation is possible.
Figure 1 shows what the installation will look like

Chamber type (with T-joint pipe and without fan)
Kit name: **KDDP55D160K**



Notes: Requires an inspection port for maintenance access.
For dual intake duct installation only. If only a single intake duct can be connected because of an obstruction, etc., KDDP55D160 should be used instead.
It is not possible to use this kit simultaneously with the wireless remote controller.

Direct installation type
Kit name: **KDDJ55X160**



Note: Use of options will increase operating sound.

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort										Mould preventon	Work & Servicing								Control features								Option			Others	
	Auto swing	Swing pattern selection	Draft prevention function	Switchable fan speed	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Hot start	Year-round cooling applicable	Timer selector	Mould resistant treatment for filter	Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Ceiling soiling prevention	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Ultra long-life filter	High-efficiency filter	Fresh air intake kit	Twin / triple / double twin multi operation	PE fin
Cooling only	●	●	—	●	●	●	*1	—	*2	●	●	●	*4	●	●	●	*4	●	●	●	—	●	●	●	●	●	●	●	●	●	●
Heat pump	●	●	●	●	●	●	*1	●	*3	●	●	●	*4	●	●	●	*4	●	●	●	●	●	●	●	●	●	●	●	●	●	●

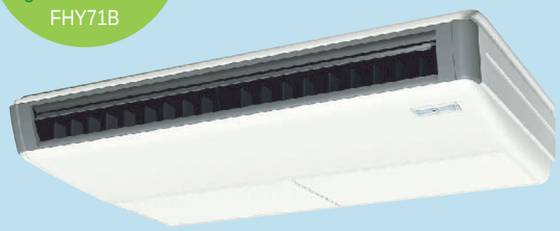
*1Applicable when wired remote controller is used
*2Applicable to R71LU–R140LU outdoor units (for temp. down to –15°C) (An option is required.)
*3Applicable to RY71LU–RY140LU outdoor units (for temp. down to –5°C) and RY200LU–RY250LU outdoor units (for temp. down to –0°C)
*4Applicable to R(Y)71LU–140LU outdoor units

CEILING SUSPENDED TYPE

FH(Y)

Cooling only FH(Y)35BVE–125BVE
Heat pump FHY35BVE–125BVE

Sound level
39/35dB(A)
High Low
FHY71B



Upgrade to a quiet and compact system.

Accessory required for indoor unit (option)

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

Cooling only
BRC7EA66
Heat pump
BRC7E63W

A signal receiver must be added to the indoor unit.

Signal receiver unit (Installed type)

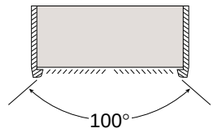
Wireless remote controller and signal receiver unit are sold as a set.

Guide	Line up	Outdoor units	Remote controllers	Standard specifications	Options	Outer dimension drawings
	P. 3–10	P. 33–34	P. 35–36	P. 39, 47, 49, 55	P. 57	P. 60

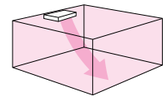
Spreads comfortable air throughout the room

Auto-swing for comfort in all directions

Wide air discharge openings produce a spreading 100° airflow



Installable on ceilings 3.5 m high



Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Installation flexibility for freedom of design

Uniform height and depth. Compact design for small-capacity models to meet tighter dimensional constraints.

(mm)

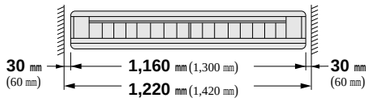
Indoor unit	35B/50B	60B/71B	100B	125B
Height	195			
Width	960	1,160	1,400	1,590
Depth	680			

Weight of all models reduced (down 10% compared with previous models). Transfer and installation work is less arduous.

Reduced edge space, more flexible installation

The unit fits more snugly into tight spaces.

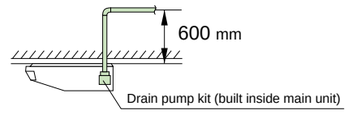
For 71B indoor unit
Dimensions in brackets are for previous model.



*Water used in the test-run can now be drained from the air discharge opening rather than from the side as was formerly the case.

Drain pump kit (option) can be easily incorporated

Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.



All wiring and internal servicing done from below the unit

Pipes more easily rigged, too

Plastic panels are used to conceal piping holes. Holes can be easily punched out without requiring special tools.

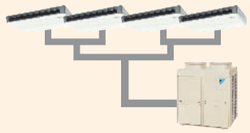
Low gas pressure detection

Supports simultaneous running of the twin, triple and double twin multi operation.

Twin Multi Operation

Triple Multi Operation

DoubleTwin Multi Operation



See pages 31–32 for details of the Multi Series.

Quiet operation

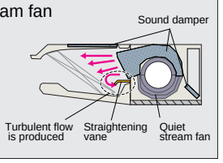
Sound operation has been reduced on the exposed ceiling suspended type unit.

dB(A)

Indoor unit	High	Low
35B	37	32
50B	38	33
60B	38	33
71B	39	35
100B	42	37
125B	44	39

Note : Anechoic chamber conversion value, measured according to JIS parameters and

Uses quiet stream fan and other quiet technologies.



Easier to maintain

Long-life filter lasts about 1 year * Maintenance not required

* For dust concentration of 0.15 mg/m³

■ Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the remote controller (filter sign).

Non-dew flap without bristles

Absence of bristles minimises clinging dirt and simplifies cleaning.

Easy-clean, flat surfaces

It is easy to wipe dirt off the flat side and lower surfaces of the unit.

For all maintenance tasks, access is from bottom surface.

Improved-oil resistant grille

Oil-resistant plastic is used for the air discharge grille. This improves durability in restaurants and other similar environments.

Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort: Auto swing	Draft prevention function	Switchable fan speed	Programme "Dry"	High ceiling application *1	Two selectable temperature-sensors	Hot start	Year-round cooling applicable	Timer selector	Mould prevention: Mould resistant treatment for filter	Mould-proofing drain pan	Work & Servicing: Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Control features: Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Others: Twin / triple / double twin multi operation	PE fin
Cooling only	●	—	●	●	●	*2	—	*3	●	●	●	*5	*6	●	●	*6	●	●	●	—	●	●	●	●	●	●	●
Heat pump	●	●	●	●	●	*2	●	*4	●	●	●	*5	*6	●	●	*6	●	●	●	●	●	●	●	●	●	●	●

*1 Installable on max. 3.5 m high ceiling
*2 Applicable when wired remote controller is used
*3 Applicable to R71LU–R140LU outdoor units (for temp. down to –15°C) (An option is required.)
*4 Applicable to RY71LU–RY140LU outdoor units (for temp. down to –5°C) and RY200LU–RY250LU outdoor units (for temp. down to –0°C)
*5 Optional available
*6 Applicable to R(Y)71LU–140LU outdoor units

CEILING SUSPENDED CASSETTE TYPE

FUY

Cooling only FUY71FJV1–125FJV1
Heat pump FUY71FJV1–125FJV1

Sound level
40/35dB(A)
High Low
FUY71FJ

Flexibility in installation location. Installation is also simple.

Accessory required for indoor unit (option)

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

Cooling only
BRC7C529W
Heat pump
BRC7C528W

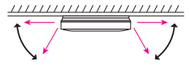
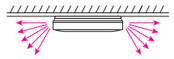
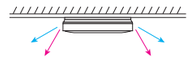
A signal receiver must be added to the indoor unit.

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Guide | Line up P. 3–4, 7–8 | Outdoor units P. 33–34 | Remote controllers P. 35–36 | Standard specifications P. 40 and 50 | Options P. 57 | Outer dimension drawings P. 61

The auto-swing function increases comfort level

Auto-swing	5-levels air direction setting	Auto-air direction control
 Auto-swing between 0° and 60°	 Settable to 5 different levels between 0° and 60°	 The air direction is set automatically to the memorised position of the previous air direction. (Initial setting is 60° for heating and 30° for cooling.)
Draft prevention (in heating)	At heating startup and thermo OFF*, air direction is automatically set to horizontal	

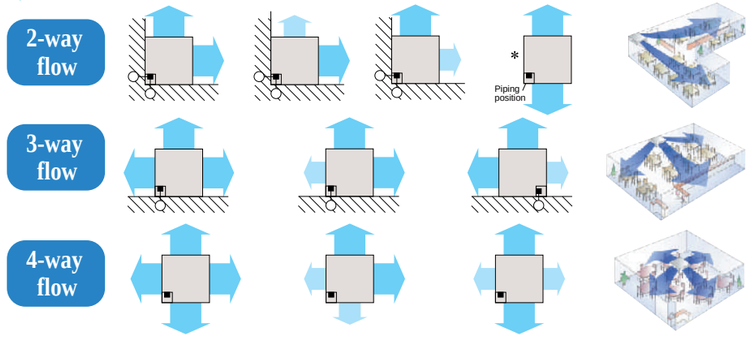
*When the thermostat turns off.

Air direction can be selected according to installation

■ **Selection patterns for air direction and fan speed ratio**

Note: Applicable only to the flow configurations shown below.

Standard (100%) Moderate (approx. 70%) (*Requires sealing member for air discharge outlet (optional accessory) for opposing 2-



Note: When 2- or 3-way flow configurations are selected, the unused flow outlets must be blocked off with the optional sealing material. Sound during operation will rise by about 2 dB.

Suitable for high ceilings

■**Criteria for ceiling height and number of air discharge outlets**

		Number of air discharge outlets used		
		2-way flow	3-way flow	4-way flow
Ceiling height	Standard	3.5 m	3.0 m	2.7 m
	High ceiling ①	3.8 m	3.3 m	3.0 m
	High ceiling ②	—	3.5 m	3.5 m

Note: Initial settings are for standard ceiling height and 4-way flow. High ceiling settings ① and ② are set from the remote

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a

Switchable fan speed: High/Low

Easier to maintain

Long-life filter lasts about 1 year * Maintenance not required

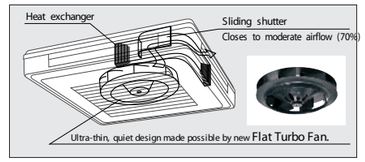
* For dust concentration of 0.15 mg/m³

Accessible from below for easy maintenance

Low gas pressure detection

Ultra-thin with quiet operation

Thinner usually means noisier, but Daikin's exclusive technology has solved this.


Heat exchanger
Sliding shutter
Closes to moderate airflow (70%)
Ultra-thin, quiet design made possible by new Flat Turbo Fan.

Through use of a high-static-pressure vane and a thorough reduction in flow loss in the path between internal fan suction and air output, we have achieved a thinner fan unit and quiet operation while maintaining airflow.

dB(A)

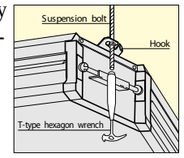
Indoor unit	High	Low
71FJ	40	35
100FJ	43	38
125FJ	44	39

Note : Anechoic chamber conversion value, measured according to JIS parameters and

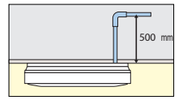
Quick and easy to install

Simple installation procedure

Simply lock the body in place with suspension bolts to install. Adjustment is smooth and simple, too.

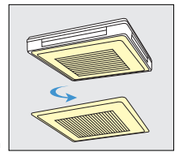


Drain pump is equipped as standard accessory with 500 mm lift.



Installable in any direction

Since the orientation of the intake grill can be adjusted after installing, the direction of the intake grill lines can be unified when multiple units are installed.



Note: The panel cannot be turned when the wireless remote controller is in use.

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort: Auto-swing	Swing pattern selection	Draft prevention function	Switchable fan speed	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Hot start	Year-round cooling applicable	Timer selector	Mould prevention: Mould resistant treatment for filter	Mould-proofing drain pan	Work & Servicing: Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Control features: Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Others: PE fin
Cooling only	●	●	—	●	●	●	*1	—	*2	●	●	●	●	*4	●	●	*4	●	●	●	—	●	●	●	●	●	●
Heat pump	●	●	●	●	●	●	*1	●	*3	●	●	●	●	*4	●	●	*4	●	●	●	●	●	●	●	●	●	●

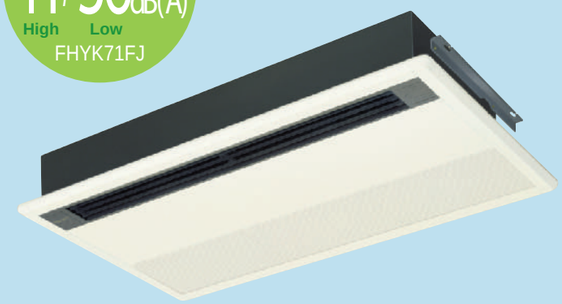
*1Applicable when wired remote controller is used
*2Applicable to R71LU–125LU outdoor units (for temp. down to –15°C) (An option is required.)
*3Applicable to RY71LU–125LU outdoor units (for temp. down to –5°C)
*4Applicable to R(Y)71LU–125LU outdoor units

CEILING MOUNTED CASSETTE CORNER TYPE

FH(Y)K

Cooling only FH(Y)K35FV1–71F(J)V1
Heat pump FHYK35FJV1–71FJV1

Sound level
41/36dB(A)
High Low
FHYK71FJ



Fits in ceiling corners. Equipped for versatile airflow control.

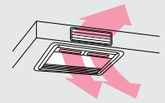
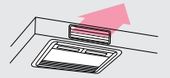
Accessory required for indoor unit (option)

Wired LCD remote controller

BRC1C61

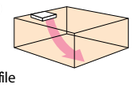
Note: Remote controller cable not included. Cables must be procured locally.

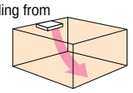
Multiple airflow variations for stepped or 3.8 m high ceilings

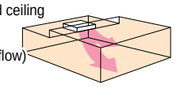
	❶ Downward flow	❷ Downward flow + Forward flow	❸ Forward flow
Airflow variation			
Auto-swing	○	○	—
High ceiling installation	○	○	—
	Requires ceiling tap cutting.	Requires ceiling tap cutting.	Not suited for high ceilings because air currents do not
Required options	—	Air discharge grille, flexible duct	

■ Panel spacers (option) can be installed with all three airflow variations.
■ Decoration panels (option) to hide the downward air discharge opening can be installed with variation ③ above.

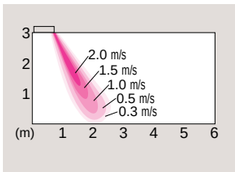
Example installations

In the corner of a room (downward flow)


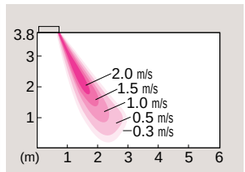
Comfortable cooling from ceiling to floor (downward flow)


On stepped ceiling (outward + downward flow)


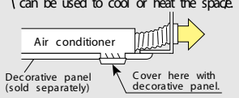
■ Wind speed profile
● Heating (65° downward flow ··· Standard installation)



■ Wind speed profile
● Heating (65° downward flow from high ceiling)

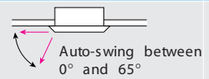
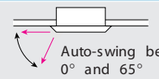
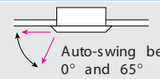
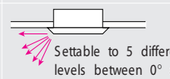
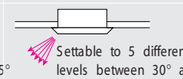
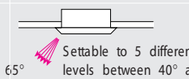
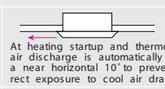
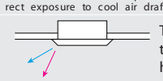


On stepped ceilings, downward flow can be blocked and outward flow alone can be used to cool or heat the space.



Decorative panels (option) can be installed on the downward air discharge opening to close gaps without stepped room interiors.

Optimal comfort and convenience assured by three air discharge modes

Air direction	Draft prevention setting	Standard setting	Setting to prevent soiling of ceiling
Desired situation	When drafts are unwanted	For gentle drafts (Ceiling is soiled.)	When ceilings must be kept spotless
Auto-swing	 Auto-swing between 0° and 65°	 Auto-swing between 0° and 65°	 Auto-swing between 0° and 65°
5-levels air direction setting	 Settable to 5 different levels between 0° and 65°	 Settable to 5 different levels between 30° and 65°	 Settable to 5 different levels between 40° and 65°
Draft prevention (In heating) model	 At heating startup and thermo OFF*, air discharge is automatically set to a near horizontal 10° to prevent direct exposure to cool air drafts.	—	—
Auto air direction control	 The air direction is set automatically to the memorised position of the previous air direction. (Initial setting is 65° for heating and 30° for cooling.)		

Note: Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.
*When the thermostat turns off.

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort: Auto swing	Swing pattern selection	Draft prevention function	Switchable fan speed	Programme "Dry"	High ceiling application	Hot start	Year-round cooling applicable	Timer selector	Mould prevention: Mould resistant treatment for filter	Work & Servicing: Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Ceiling soiling prevention	Low gas pressure detection	Emergency operation	Self-diagnosis function	Control features: Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Others: PE fin
Cooling only	●	●	—	●	●	●	—	*1	●	●	●	*3	●	●	●	*3	●	●	●	—	●	●	●	●	●	●
Heat pump	●	●	●	●	●	●	●	*2	●	●	●	*3	●	●	●	*3	●	●	●	●	●	●	●	●	●	●

*1 Applicable to R71LU outdoor units (for temp. down to −15°C) (An option is required.)
*2 Applicable to RY71LU outdoor units (for temp. down to −5°C)
*3 Applicable to R(Y)71LU outdoor units

Quiet operation

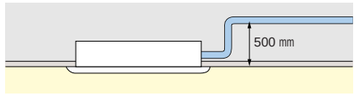
dB(A)

Indoor unit	High	Low
35F(J)	39	33
45F(J)	39	34
60F(J)	41	36
71F(J)	41	36

Note : Anechoic chamber conversion value, measured according to JIS parameters and

Easier to install and service

Drain pump is equipped as standard accessory with 500 mm lift.



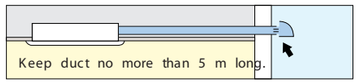
Long-life filter lasts about 1 year * Maintenance not required

* For dust concentration of 0.15 mg/m³

Low gas pressure detection

Fresh air intake possible
(Site installation required)

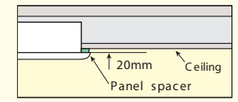
A duct can be connected to the rear of the indoor unit to draw in outdoor air.



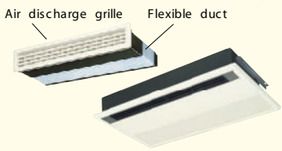
Note: The maximum duct length for connection to the fresh air intake kit is 5 m. Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be

Panel spacer (option)

Use when only minimal space is available between drop ceilings and ceiling slabs.



Upgrade options for easy installation on stepped ceilings



For outward blow, detach the punch-out panel from the duct-connection port on the front of the unit.

Guide | Line up P. 3–4, 7–8 | Outdoor units P. 33–34 | Remote controllers P. 35–36 | Standard specifications P. 40 and 50 | Options P. 58 | Outer dimension drawings P. 61

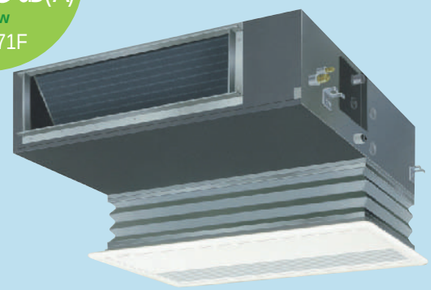
CEILING MOUNTED BUILT-IN TYPE

FH(Y)B

Cooling only FH(Y)B35FV1–125FV1
Heat pump FHYB35FV1–125FV1

Clever and compact mini ducted unit provides comfort and flexibility.

Sound level
41/35dB(A)
High Low
FHYB71F



Accessory required for indoor unit (option)

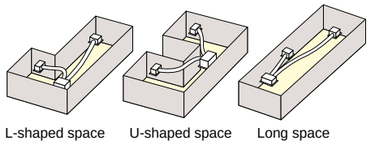
Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Flexibly adapts to shop interiors

To cope with the challenges of L-shaped or U-shaped spaces, it is possible to install the air discharge unit away from the main unit. At the same time, different types of architectural space can be kept comfortable.



L-shaped space U-shaped space Long space

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Quiet operation

dB(A)

Indoor unit	High	Low
35F	38	32
45F	39	34
60F	41	35
71F	41	35
100F	41	35
125F	44	38

Note : Anechoic chamber conversion value, measured according to JIS parameters and

Easier to maintain

Long-life filter lasts about 1 year * Maintenance not required

* For dust concentration of 0.15 mg/m³

Low gas pressure detection

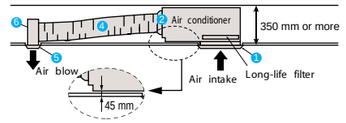
Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

Meets diverse of installation needs

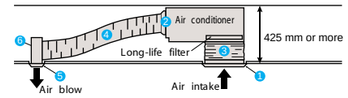
The indoor unit can be installed in rooms with as little as 350 mm between the drop ceiling and ceiling slab. It also works with both flexible and ordinary ducts.

Standard installation examples

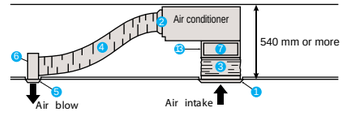
In crawl space



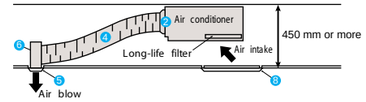
With canvas bellows and air intake panel (sold separately)



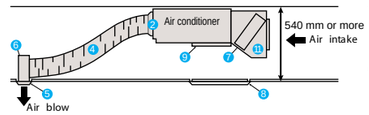
With high-efficiency filter



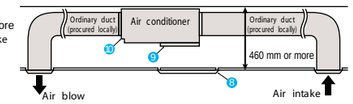
Ceiling return



Ceiling return with high-efficiency filter



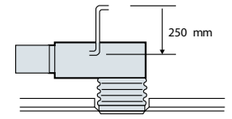
With ordinary ducts



Options

1. Decorative panel
2. Air discharge opening adapter
3. Canvas bellows and air intake panel
4. Flexible duct
5. Air discharge grille
6. Air discharge chamber
7. High-performance filter
8. Inspection panel
9. Rear intake blocking pad
10. Air discharge opening flange
11. Rear intake filter chamber
12. Branch duct
13. Low-draft filter chamber

Drain pump is equipped as standard accessory with 250 mm lift.



Fresh air intake possible

(Custom installation required with locally procured materials)

A duct can be connected to the rear of the indoor unit to draw in outdoor air.

Note: The maximum duct length for connection to the fresh air intake kit is 5 m. Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required,

External static pressure can be set depending on duct length, presence of high-efficiency filter, and other installation conditions.

External static pressure pattern (Pa)

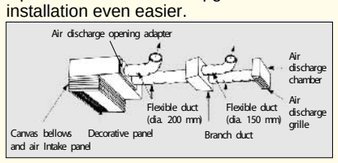
Indoor unit	High	Standard	Low
35F–71F	78	39	20
100F and 125F	98	39	——

External static pressure is set to standard when the unit is shipped from the factory.

High-efficiency filter (option)

Available in two types: 65% and 90% colorimetry. This filter easily meets dust collection efficiency regulations specified in building codes.

Options have also been upgraded to make installation even easier.



Features (Features are explained on P. 37–38.)

Feature / Model	Comfort: Switchable fan speed	Comfort: Programme "Dry"	Comfort: Hot start	Comfort: Year-round cooling applicable	Comfort: Timer selector	Mould prevention: Mould resistant treatment for filter	Work & Servicing: Drain pump mechanism	Work & Servicing: Pre charged for up to 30 m	Work & Servicing: Long-life filter	Work & Servicing: Filter sign	Work & Servicing: Low gas pressure detection	Work & Servicing: Emergency operation	Work & Servicing: Self-diagnosis function	Control features: Auto-restart	Control features: Auto-cooling/heating change-over	Control features: Control by 2 remote controllers	Control features: Control by 1 remote controller	Control features: External command control	Control features: Central remote control	Control features: Interlock control	Option: High-efficiency filter	Others: PE fin
Cooling only	●	●	—	*1	●	●	●	*3	●	●	*3	●	●	●	—	●	●	●	●	●	●	●
Heat pump	●	●	●	*2	●	●	●	*3	●	●	*3	●	●	●	●	●	●	●	●	●	●	●

*1Applicable to R71LU–R125LU outdoor units (for temp. down to –15°C) (An option is required.)
*2Applicable to RY71LU–RY125LU outdoor units (for temp. down to –5°C)
*3Applicable to R(Y)71LU–125LU outdoor units

WALL MOUNTED TYPE

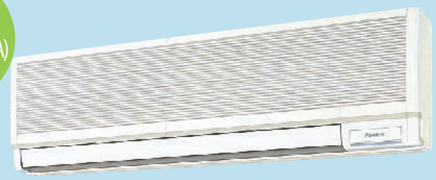
FAY

Cooling only FAY71LVE / FAY100FAVE
Heat pump FAY71LVE / FAY100FAVE

Sound level
43/37dB(A)
High Low
FAY71L

FAY71LVE

Sound level
45/41dB(A)
High Low
FAY100FA



FAY100FAVE

Made more compact, stylish, and quieter

Accessory required for indoor unit (option)

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Signal receiver unit (Installed type)

Cooling only
BRC7E619
Heat pump
BRC7EA618

FAY71L

Cooling only
BRC7C611W
Heat pump
BRC7C610W

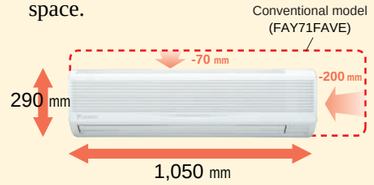
FAY100F

Wireless remote controller and signal receiver unit are sold as a set.

Below features only apply to FAY71L.

Drastic size reduction

Reduced size (by 22% in volume, 32% in installation area)makes installation possible in a very limited space.



Sophisticated extension design

Compact and stylish design that does not detract from the decor of the room.

Flap is closed when not operating

Easier to install and service

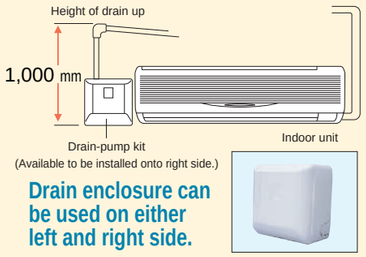
Light weight

Reduced weight by 8kg greatly facilitates installation.

Conventional (FAY71FAVE)	New model (FAY71LVE)
21 Kg	13 Kg

Drain pump kit is available as option.

Installs onto side of unit.



Drain enclosure can be used on either left and right side.

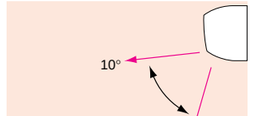
Drain pan and air filter can be kept clean by mould-proof polystyrene

Removable and washable grille

DIII-NET connection is standard specification. Adapter is not required.

Improved airflow modes realise comfortable air distribution across the entire room

Auto-swing

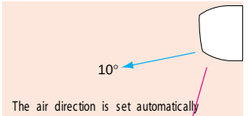


Auto-swing from 10° to 70°

5-level air direction setting

Settable to 5 different levels between 10° to 70°

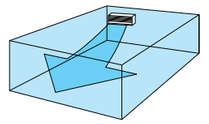
Auto-air direction control



The air direction is set automatically to the memorised position of the previous air direction. (Initial setting is 10° for cooling and 70° for heating.)

Comfort even on the far side of the room

To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed the "high" setting. Air discharge strength is selected from the remote controller.



Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Easier to install and service

Maintenance possible from the front of the unit

All maintenance tasks can be carried out via front access. During service work, attachment and detachment of parts is easier.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort: Auto swing	Draft prevention function	Switchable fan speed	Programme "Dry"	High fan speed mode	Two selectable temperature-sensors	Upward	Hot start	Year-round cooling applicable	Timer selector	Mould prevention: Mould resistant treatment for filter	Mould-proofing drain pan	Work & Servicing: Drain pump mechanism	Pre charged for up to 30 m	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Control features: Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Others: PE fin
Cooling only	●	—	●	●	●	*1	●	—	*2	●	●	●	●	*4	●	*4	●	●	●	—	●	●	●	●	●	●
Heat pump	●	●	●	●	●	*1	●	●	*3	●	●	●	●	*4	●	*4	●	●	●	●	●	●	●	●	●	●

*1Applicable when wired remote controller is used
*2Applicable to R71LU/R100LU outdoor units (for temp. down to −15°C) (An option is required.)
*3Applicable to RY71LU/RY100LU outdoor units (for temp. down to −5°C)
*4Applicable to R(Y)71LU/100LU outdoor units

FLOOR STANDING TYPE

FVY

Cooling only FVY71LAVE–125LAVE
Heat pump FVY71LAVE–125LAVE

Sound level
41/35dB(A)
High Low
FVY71LA

The floor-standing configuration means the FVY is easy to install and maintain.
It can also be installed under high ceilings.

LCD control panel is standard

Note: This remote controller has a temperature-sensor.

Quiet operation

dB(A)

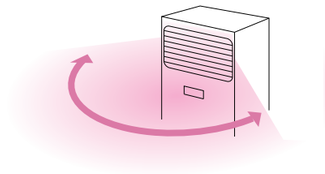
Indoor unit	High	Low
71LA	41	35
100LA	46	40
125LA	49	43

Note : Anechoic chamber conversion value, measured according to JIS parameters and

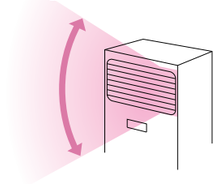
Auto-swing delivers comfort to every corner of the room

FVY units have swinging louver spreads comfortable airflow. Any uncomfortable sensation of sudden change is avoided by a slow cycle of 2 to 3 full swings per minute.

Auto-swing



Manual setting of vertical airflow louvers



Vertical airflow adjustment is possible when (changing between cooling and heating or) to match interior spaces and partitions.

A good choice for spaces with ceilings so high that heating by ceiling-mounted units is inefficient.

Note: For optimal installation, space factors should be accurately calculated.

Switchable fan speed: High/Low

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Easy-to-operate, handy LCD control panel

The LCD displays text, numbers and graphics to indicate the temperature setting, timer setting, auto-swing, fan speed, and more. Furthermore, the LCD panel can be detached and used as a remote controller, so air conditioning can be controlled from another room or from the cash register.
(Remote controller cable not included. Cables must be procured locally.)

Two selectable temperature-sensors

Temperature-sensors on both indoor unit and wired remote controller.
Temperature sensing can be set closer to the target area to further improve comfort level.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

Easier to install and service

Lightweight

The unit can be easily transported and installed.

Indoor unit	Weight	
	Conventional FVY-F	New model
71 class	45 kg	39 kg
100 class	63 kg	46 kg
125 class	67 kg	47 kg

Long-life filter lasts about 1 year * Maintenance not required

*For dust concentration of 0.15 mg/m³

Filter exchange interval

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort							Mould prevention	Work & Servicing						Control features								Others
	Auto swing	Switchable fan speed	Programme "Dry"	Hot start	Two selectable temperature-sensors	Year-round cooling applicable	Timer selector	Mould resistant treatment for filter	Pre charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control		PE fin
Cooling only	●	●	●	—	●	*1	●	●	*3	●	●	*3	●	●	●	—	●	●	●	●	●		●
Heat pump	●	●	●	●	●	*2	●	●	*3	●	●	*3	●	●	●	●	●	●	●	●	●		●

*1Applicable to R71LU–R125LU outdoor units (for temp. down to –15°C) (An option is required.)
*2Applicable to RY71LU–RY125LU outdoor units (for temp. down to –5°C)
*3Applicable to R(Y)71LU–125LU outdoor units

Guide | Line up P. 3–4, 7–8 | Outdoor units P. 33–34 | Remote controllers P. 35–36 | Standard specifications P. 42, 52 | Options P. 58 | Outer dimension drawings P. 63

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

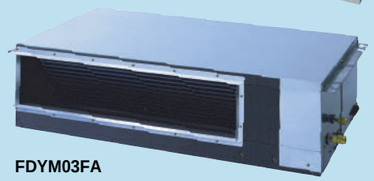
FDMG/FDYM

Cooling only FDMG71AV1–180AV1
FDYM03FAV1–06FAV1
Heat pump FDYM03FAV1–06FAV1

Unit can be mounted in the ceiling and air can be delivered freely by duct.

Sound level
39dB(A)
High
FDYM03FA
(220V)

FDMG100A



FDYM03FA

Accessory required for indoor unit (option)

For FDYM

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

Cooling only
BRC4C64
Heat pump
BRC4C62

Signal receiver unit (Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

For FDMG

Digital remote controller

KRC47-2A
KRC47-4A

Remote controller

KRC47-1A

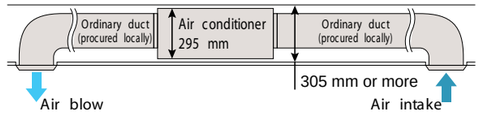
Freedom of layout

The duct system allows the efficient location of discharge outlets in accordance with the room layout

Middle static pressure type is available in a larger than standard space

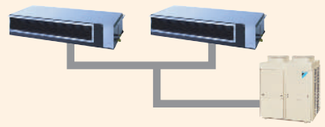
Duct connection is simpler with standard rear intake chambers

Compact, 295 mm high design makes installation possible where the ceiling space is limited (For FDYM)

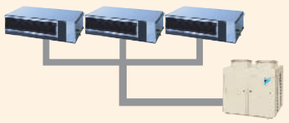


Supports simultaneous running of the twin and triple multi operations.

Twin Multi Operation



Triple Multi Operation



See pages 31–32 for details of the Multi Series.

Quiet operation

dB(A) (220V)

Indoor unit	High	LOW
FDMG71A	42	38
FDMG100A	44	36
FDMG125A	45	37
FDMG140A	46	36
FDMG180A	47	37
FDYM03FA	39	
FDYM04FA	39	
FDYM05FA	44	
FDYM06FA	46	

Note : Anechoic chamber conversion value, measured according to JIS parameters and

Switchable fan speed: High/Low

Programme "Dry"

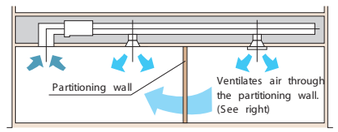
Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

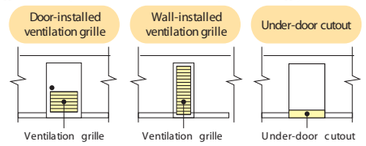
Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.





Note: The under-door cutout method should be used only when there is a small volume of airflow.

Features (Features are explained on P. 37–38.)

Feature / Model		Switchable fan speed	Programme "Dry"	Hot start	Automatic cool/heat change -over	Year-round cooling applicable	Timer selector	Pre charged for up to 30 m	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Twin and triple multi operation	PE fin	Adjustable external static pressure
		Comfort						Work & Servicing				Control features						Others		
Cooling only	FDMG	●	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	●	—
	FDYM	●	●	—	—	*1	●	*3	*3	●	●	●	●	●	●	●	●	●	●	●
Heat pump		●	●	●	●	*2	●	*3	*3	●	●	●	●	●	●	●	●	●	●	●

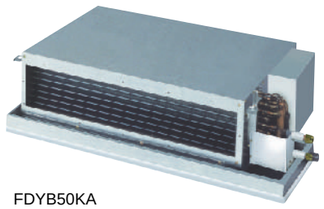
*1 Applicable to R71LU–R140LU outdoor units (for temp. down to –15°C) (An option is required.)
*2 Applicable to RY71LU–RY140LU outdoor units (for temp. down to –5°C) and RY200LU–RY250LU outdoor units (for temp. down to –0°C)
*3 Applicable to R(Y)71LU–140LU outdoor units

DUCT CONNECTION LOW STATIC PRESSURE TYPE

FDBG/FDYB

Cooling only FDBG25AVE–71AVE
Heat pump FDYB35KAVE–71KAVE

Sound level 38dB(A) LOW FDYB50KA (220V)



FDYB50KA

Accessory required for indoor unit (option)

Cooling only

Digital remote controller

KRC47-2A
KRC47-4A

Remote controller

KRC47-1A

Heat pump

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

BRC4C62

Signal receiver unit (Separate type)
Wireless remote controller and signal receiver unit are sold as a set.

- **Ideal for quiet, beautiful living spaces**
- **Suitable for condominiums and apartments, houses and hotels**

Quiet operation

dB(A)

Indoor unit	High	Low
FDBG60AVE	42	39

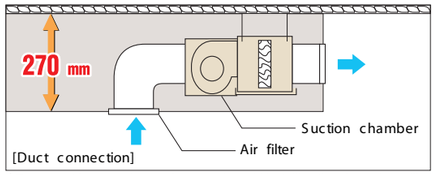
Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria.

Durable

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

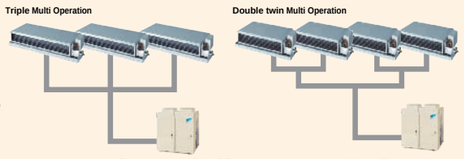
Compact

Small, lightweight, and easy-to-install outdoor unit.



*To prevent increased operation sound, avoid installing the air suction grille directly below the suction chamber.

Supports simultaneous running of the triple and double twin multi operations.



See pages 31–32 for details of the Multi Series.

Features (Features are explained on P. 37–38.)

Feature / Model	Comfort: Switchable fan speed	Comfort: Programme "Dry"	Comfort: Hot start	Comfort: Automatic cool/heat change -over	Comfort: Year-round cooling applicable	Comfort: Timer selector	Work & Servicing: Pre charged for up to 30 m	Work & Servicing: Low gas pressure detection	Work & Servicing: Emergency operation	Work & Servicing: Self-diagnosis function	Control features: Auto-restart	Control features: Control by 2 remote controllers	Control features: Group control by 1 remote controller	Control features: External command control	Control features: Central remote control	Control features: Interlock control	Others: Triple and double twin multi operation	Others: PE fin	Others: Adjustable external static pressure
Cooling only	●	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	●	●
Heat pump	●	●	●	●	*1	●	*2	*2	●	●	●	●	●	●	●	●	●	●	●

*1Applicable to RY71LU outdoor units (for temp. down to −5°C) and RY200LU–RY250LU outdoor units (for temp. down to −0°C)
*2Applicable to RY71LU outdoor units

Guide	Line up	Outdoor units	Remote controllers	Standard specifications	Options	Outer dimension drawings
	P. 3–10	P. 33–34	P. 35–36	P. 42, 52, 56	P. 59	P. 64

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

FD(Y)

Cooling only FD03KY1–20KY1
Heat pump FDY06KAY1–20KAY1

Sound level 51dB(A) High FDY06KA

FDY06KA

Accessory required for indoor unit (option)

Cooling only

Remote controller

KRC47-3A

Heat pump

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

BRC4C62

Signal receiver unit (Separate type)
Wireless remote controller and signal receiver unit are sold as a set.

- **Recommended for spacious and large-volume areas because of its flexible installation**
- **Suitable for large stores, factories, and other large areas, and for use with housing ducts in homes**

Quiet operation

Durable

Highly durable outdoor unit has PE fins for improved resistance to salt corrosion and atmospheric pollution.

Central control

Many options are available for use with large-scale and advanced-function centrally controlled systems

Features (Features are explained on P. 37–38.)

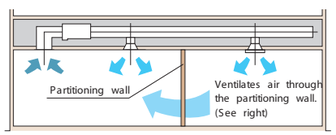
Feature / Model	Comfort: Hot start	Comfort: Automatic cool/heat change -over	Comfort: Year-round cooling applicable	Comfort: Timer selector	Work & Servicing: Pre charged for up to 30 m	Work & Servicing: Low gas pressure detection	Work & Servicing: Emergency operation	Work & Servicing: Self-diagnosis function	Control features: Auto-restart	Control features: Control by 2 remote controllers	Control features: Group control by 1 remote controller	Control features: External command control	Control features: Central remote control	Control features: Interlock control	Others: PE fin	Others: Adjustable external static pressure
Cooling only	—	—	—	—	—	—	—	—	●	—	—	—	●	—	●	*3
Heat pump	●	*4	*1	●	*2	*2	●	●	●	●	*4	●	●	●	●	*3

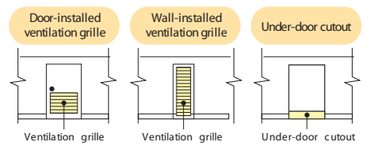
*1Applicable to RY140LU outdoor units (for temp. down to −5°C) and RY200LU–RY250LU outdoor units (for temp. down to −0°C)
*2Applicable to R(Y)140LU outdoor units
*3Required to change the pulley
*4FDY06-10 only

Guide
Line up P. 3–4, 7–8
Outdoor units P. 33–34
Remote controllers P. 35–36
Standard specifications P. 44, 45, 53
Options P. 59
Outer dimension drawings P. 65–67

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicate ventilation grilles should be installed on the partitioning wall or under the door between the rooms.





Note: The under-door cutout method should be used only when there is a small volume of airflow.

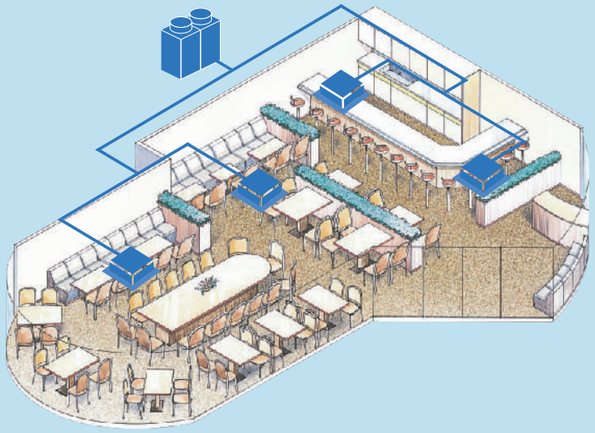
Simultaneous operation system

MULTI SERIES

Twin, Triple, and Double Twin Multi-Operation

Simultaneously operates 2 to 4 indoor units using a single outdoor unit.

In large interior spaces a single indoor unit may not be able to provide uniform comfort. Installation of 2 to 4 units, can provide an effective solution.



In a single-floor restaurant, for example, positioning 4 units at strategic locations realises comfortable airflow that reaches every inch of the room.

Note: This type of system does not allow individual control or independent operation of indoor units. It is not the best choice for large rooms with partitions.

Installing multiple units is economical and realises comfort

- Lower cost of installation than for individual pair type
- Reduced installation space for outdoor units
- Enhanced comfort from distributed indoor units

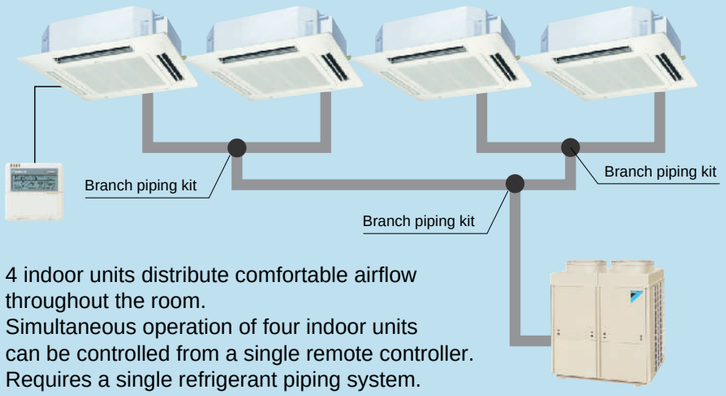
Indoor units include ceiling mounted cassette type, ceiling suspended type, and duct connection middle and low static pressure type.

Remote controllers for the Multi Series

INDOOR UNIT	Wired LCD remote controller (Option)	Wireless LCD remote controller (Option)
CEILING MOUNTED CASSETTE TYPE	**BRC1C61**	Cooling only **BRC7C613W** Heat pump **BRC7C612W**
CEILING SUSPENDED TYPE		Cooling only **BRC7EA66** Heat pump **BRC7E63W**
DUCT CONNECTION LOW STATIC PRESSURE TYPE		Heat pump **BRC4C62**
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE		Cooling only **BRC4C64** Heat pump **BRC4C62**
A single remote controller controls simultaneous operation of multiple indoor units.	Connect the wired remote controller to turn an indoor unit into the master unit.	Install the signal receiver unit (part of the optional wireless remote controller) to turn an indoor unit into the master unit.
Supports Two selectable temperature-sensor functions. Note: Selectable temperature sensing is available with ceiling-mounted cassette and ceiling-suspended models, but not with middle static-pressure models.	Wired remote controller has a temperature-sensor. Depending on the installation conditions, select and set the temperature-sensor of a selected indoor unit or the temperature-sensor of the remote controller. Note: An indoor unit's temperature-sensor must be used when the air conditioners are controlled from another room.	Because the wireless remote controller does not have a temperature-sensor, select the temperature-sensor of the indoor master unit.

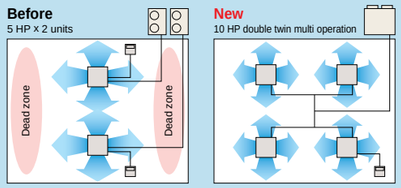
Double Twin Multi operation

4 indoor units can be run simultaneously with a single outdoor unit.

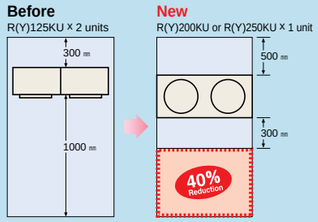


4 indoor units distribute comfortable airflow throughout the room.
Simultaneous operation of four indoor units can be controlled from a single remote controller.
Requires a single refrigerant piping system.

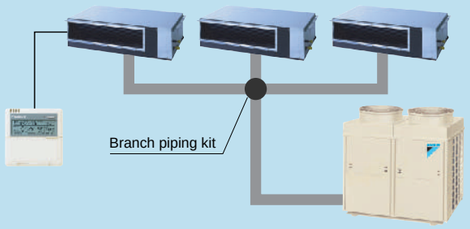
Improved comfort level and space-saving for outdoor unit installation



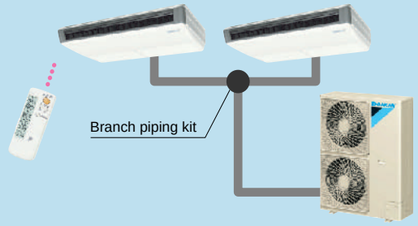
Required about 40% less installation space for outdoor unit



Triple Multi operation

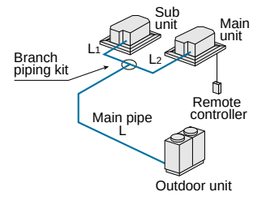


Twin Multi operation

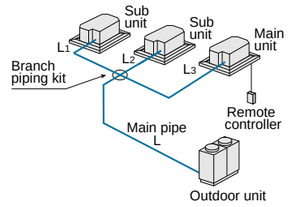


Piping Guideline

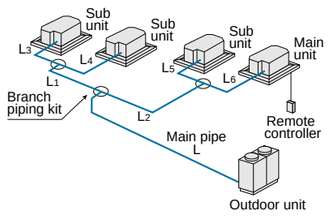
Twin Multi Operation



Triple Multi Operation



Double Twin Multi Operation



Simultaneous operation system	Twin Multi Operation	Triple Multi Operation	Double Twin Multi Operation
Max. piping length	L + Max. (L_1, L_2) ≦ 50 m	L + Max. (L_1, L_2, L_3) ≦ 50 m	L + Max. (L_1, L_2) + Max. (L_3, L_4, L_5, L_6) ≦ 50 m
Max. branch piping length	Max. (L_1, L_2)*1 ≦ 20 m	Max. (L_1, L_2 , L_3) ≦ 20 m	Max. (L_1, L_2) + Max. (L_3, L_4, L_5, L_6) ≦ 20 m
Max. branch pipe length difference	Max. (L_1, L_2) − Min. (L_1, L_2)*2 ≦ 10 m	Max. (L_1, L_2, L_3) − Min. (L_1, L_2, L_3) ≦ 10 m	(L_2 L_6) − (L_1 L_3) ≦10 m L_2 − L_1 ≦10 m L_4 − L_3 ≦10 m L_6 − L_5 ≦10 m In case of L_1 ≦ L_2, L_3 ≦ L_4, L_5 ≦ L_6
Max. level difference between outdoor unit and indoor units	≦ 30 m	≦ 30 m	≦ 30 m
Max. level difference between indoor units	≦ 0.5 m	≦ 0.5 m	≦ 0.5 m

*1 Max. (L_1, L_2) means maximum length out of L_1 and L_2.
*2 Min. (L_1, L_2) means minimum length out of L_1 and L_2.

Refrigerant piping uses terminal branching to facilitate installation.

(Branch piping kits are sold separately. Please use the model indicated on page 59)

(For Twin Multi) (For Triple Multi) (For Double Twin Multi)

Guide	Line up	Outdoor units	Remote controllers	Standard specifications	Options	Outer dimension drawings
	P. 5–6, 9–10	P. 33–34	P. 35–36	P. 46–48, 54–56	P. 57–59	P. 60–74

OUTDOOR UNIT

Compact unit provides quiet operation.

R(Y)71LU

R(Y)100LU

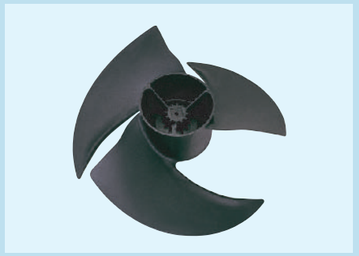
R(Y)125LU

R(Y)140LU

Quiet Operation

Fitted with wide inlet fan
(Applies to R(Y)71LU–140LU)

Fully shaped aerodynamic propellers are designed to push air with a large wing surface, providing both high blow volume and quiet operation with turbulence.

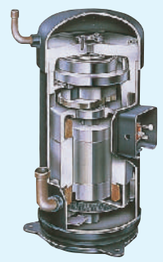

Wide inlet fan
(Applies to R(Y)71LU–140LU)

Fitted with Super Aero Grille
(Applies to R(Y)71LU–140LU)

To suppress turbulence and achieve quiet operation, the curved ribs of the grille are optimised to meet the outflow of air.

Equipped with scroll compressor for quiet operation
(Applies to R(Y)125LU and 140LU)

Smooth running, minimal vibration, low operating sound.



Operation sound
dB(A)

Heat pump Outdoor unit	Sound level (cool/heating)
RY71LU	48/49
RY100LU	49/52
RY125LU	49/52
RY140LU	54/56

Cooling only Outdoor unit	Sound level
R71LU	48
R100LU	49
R125LU	49
R140LU	54

Note : Anechoic chamber conversion value, measured according to JIS parameters and

Compact

Slim and low-profile design outdoor units
(Applies to R(Y)71LU–140LU)

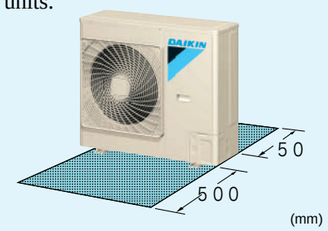
Compactly designed outdoor unit with interior layout optimised for the smooth airflow.

Reduced weight
(Applies to R(Y)71LU-125LU)

The light weight makes delivery and installation easier.

conventional 108 kg RY100KUV1 ▶ New 89 kg RY100LUV1

The design curved Super Aero Grille restricts the spread of exhaust gas and fits in the same space as conventional outdoor units.



(mm)

Powerful

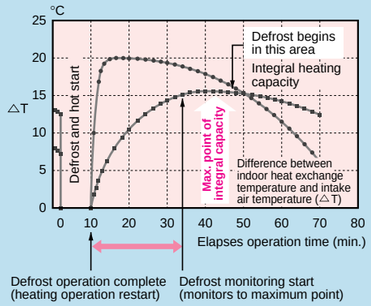
Uses "Receiver" to enhance refrigerant control
(Applies to R(Y)71LU–140LU)

Instead of the using an accumulator to absorb excess refrigerant, Daikin outdoor units have a receiver in the piping located away from the compressor. By preventing the return of liquid to the compressor, the receiver enhances reliability.

Defrost control delivers powerful heating in extremely cold climates
(Applies to RY71LU–140LU) (Heat pump only)

To optimise heating performance, by monitoring the difference in air temperature in the indoor/outdoor heat exchanger and the intake air temperature, the system accurately adjusts to provide the best operating parameters.
This enables defrost mode to be initiated and so minimise indoor declines in temperature caused by frost. For example, if the outdoor airtemperature falls to -1.5°C, the integrated heating capacity is raised about 20%.

Integral heating capacity and temperature difference (actual measurement when outdoor temperature is -1.5°C)



Suited for year-round cooling applications

Cooling is efficient even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

- Heat pump/RY71–140LU: possible up to -5°C
- Cooling only/R71–140LU: possible up to -15°C
- The year-round cooling kit is required as option.

Installation and maintenance

Pre charged for up to 30 metres
If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.
(Applies to R(Y)71LU–140LU)

■ **Allowed refrigerant pipe length and level difference**

	Pre charged *1	Max. length	Max. level difference
R25J	10 m	25 m	15 m
RY35F	10 m	20 m	15 m
R35J	10 m	25 m	15 m
RY50GA R50G	10 m	30 m	15 m
RY60GA R60G	5 m	30 m	15 m
RY71LU R71LU	30 m	50 m (Equivalent length 70 m)	30 m
RY100LU R100LU	30 m	50 m (Equivalent length 70 m)	30 m
RY125LU R125LU	30 m	50 m (Equivalent length 70 m)	30 m
RY140LU R140LU	30 m	50 m (Equivalent length 70 m)	30 m
RG71A RA140A RG180A	5 m	50 m (Equivalent length 70 m)	30 m
R100FU R125FU	5 m	50 m (Equivalent length 70 m)	30 m

Note: [1]Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

4-direction piping offers greater layout freedom
(Applies to R(Y)71LU–140LU)

Piping can be run from the front, bottom, right or rear surface according to how the unit is installed.

Facilitates pump down (Refrigerant recovery function)

A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

Low gas level detection function
(Applies to R(Y)71LU–140LU)

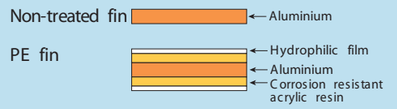
Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

Durability

Heat exchange fins provided with anti-corrosion treatment
(Applies to all outdoor units)

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

Construction

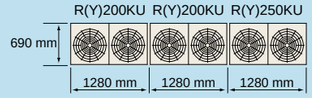


Flexible design for large room or multi-use

● Piping can be drawn out from three directions - front, left side, or below.

200 and 250 class models can be combined for centralised, horizontal-series installation

Common width and depth make series installation easy.



■ **Allowed refrigerant pipe length and level difference**

	Pre charged *1	Max. length	Max. level difference
R(Y)200KU	5 m	50 m (Equivalent length 70 m)	30 m
R(Y)250KU	5 m	50 m (Equivalent length 70 m)	30 m

Note: [1]Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

Also adapts to year-round cooling

RY200KU and250KU can adapt up to 0°C.
(Heat pump only)

RU08/10K models are available in two type depending on installation conditions

RU08/10KU models are factory shipped with refrigerant charged for 5 m of piping.
RU08/10K models are factory shipped with no refrigerant charged.

LCD REMOTE CONTROLLERS

Necessary optional accessory

Easy-to-read LCD remote controller allows various system control configurations and can control multiple indoor units.

• Remote controller options are shown on the page introducing each indoor unit model.

Wired LCD remote controller

Easier to read because LCD screen is larger.

BRC1C61

- For easier operation, louver switches, which are frequently used, have been made larger.
- Oil-resistant plastic casing.
- Only 17 mm thick. Can be installed either recessed or exposed.

Indoor units applicable for the remote controller

CEILING MOUNTED CASSETTE TYPE CEILING SUSPENDED TYPE CEILING SUSPENDED CASSETTE TYPE CEILING MOUNTED CASSETTE CORNER TYPE WALL MOUNTED TYPE CEILING MOUNTED BUILT-IN TYPE*1 DUCT CONNECTION LOW STATIC PRESSURE TYPE *2 DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE DUCT CONNECTION HIGH STATIC PRESSURE TYPE *2	BRC1C61

*1. When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the wind direction adjustment button is pressed.
*2. Applicable to only heat pump type.

Wired LCD remote controller with weekly schedule timer

Remote control is equipped with weekly timer function.

BRC1D61

- 24-hour clock function (1-hour backup for power failures)
- Programming function for each day of week.
- Scheduling possible of start/stop and temperature limit (5 settings/day)
- Programming can be enabled or disabled.
- Copy function for programmed schedules.

Indoor units applicable for the remote controller

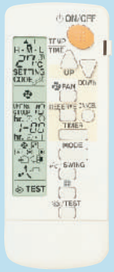
CEILING MOUNTED CASSETTE TYPE CEILING SUSPENDED TYPE CEILING SUSPENDED CASSETTE TYPE CEILING MOUNTED CASSETTE CORNER TYPE WALL MOUNTED TYPE CEILING MOUNTED BUILT-IN TYPE*1 DUCT CONNECTION LOW STATIC PRESSURE TYPE *2 DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE DUCT CONNECTION HIGH STATIC PRESSURE TYPE *2	BRC1D61

*1. When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the wind direction adjustment button is pressed.
*2. Applicable to only heat pump type.

•Standard remote controller (BRC1C61) is not required.
•If the BRC1D61 is connected to the centralised remote controller, the schedule function is not available.

Wireless LCD remote controller

signal receiver mounted type



Wireless remote controller

Signal receiver unit (For ceiling mounted cassette type)

- The wireless remote controller is supplied in a set with a signal receiver.
- Shape of signal receiver unit differs according to the indoor unit.

Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

Indoor units applicable for the remote controller

Signal receiver unit is contained inside decoration panel or indoor unit			
		Heat pump	Cooling only
CEILING MOUNTED CASSETTE TYPE		BRC7C612W	BRC7C613W
CEILING SUSPENDED TYPE		BRC7E63W	BRC7EA66
CEILING SUSPENDED CASSETTE TYPE		BRC7C528W	BRC7C529W
WALL MOUNTED TYPE	FAY71L	BRC7EA618	BRC7E619
	FAY100FA	BRC7C610W	BRC7C611W
DUCT CONNECTION LOW STATIC PRESSURE TYPE		BRC4C62	——
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE		BRC4C62	BRC4C64
DUCT CONNECTION HIGH STATIC PRESSURE TYPE		BRC4C62	——

Wired remote controller has built-in temperature-sensor (Applies to wired remote controllers)

- Enables temperature sensing closer to target area for improved comfort. (When using remote control from another room, temperature-sensor in indoor unit's air inlet must be selected.)

Note: The indoor unit's temperature-sensor is specified at the time of shipment. Temperature sensing with the wired remote controller is not available with the ceiling mounted cassette corner, ceiling-mounted built-in, and duct connection type.

Non-polar, double-core connection specifications simplify wiring

- Non-polar, double-core remote controller wire prevents wiring mistakes. signal receiver unit (or decoration panel) of wireless type is also easy to connect.

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted units can be remotely set without having to use stepladder access for manual setting.
  Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).
- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction.

SkyAir shares common control with HRV (heat reclaim ventilation) and the other Daikin air-conditioning units, thus simplifying interlocking operations.

- Easily adaptable to large-scale, high-function, centralised remote control systems. Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.
- Optional adaptor for external commands or remote control of external equipment has been standardised to one type.

LCD panel shows operating status in letters, numbers, and motion.

Airflow / swing display — Displays auto-swing operating status and setting position of air discharge angle. (Not available for ceiling mounted built-in type and duct connection type)

Preset temperature / operation mode display — Displays preset room temperature and operating status (fan, dry, cool).

Programming time display — Operation start and stop time can be set for individual timers up to 72 hours. The liquid crystal display also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.

Self-diagnosis function — Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.

Simple system provides a diverse assortment of control modes.

	Control pattern	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	●Non-polar, double-core (max. wiring length 500 m)	●Signal receiver unit installed on indoor unit
Control by 2 remote controllers	For control from 2 locations such as in room and control room, exits, etc.	●Connects 2 wired remote controllers	●Control by 1 wireless remote controller and 1 wired remote controller (See note 1) ●Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	●Automatic address setting function	●Automatic address setting function ●Signal receiver unit installed on 1 indoor unit
Control by external command	Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.	(Command from outside) ●Optional wiring adaptor for electrical appendices is necessary	(Command from outside) ●Optional wiring adaptor for electrical appendices is necessary
Centralised remote control	Centralised control of up to 64 indoor groups from remote location up to 1 kilometer away.	Central remote controller (option) ●Optional SkyAir series interface adaptor required. *1	Central remote controller (option) ●Optional SkyAir series interface adaptor required. *1
Interlock control with HRV	Link by remote controller group control.	HRV ●Can be operated simultaneously or independently by remote controller (set by ventilation mode)	HRV ●Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	Central remote controller (option) HRV ●HRV for indoor units within a zone are operated by interlocking Can also be operated independently by remote controller. ●Optional interface adaptor for SkyAir series is necessary *1	Central remote controller (option) HRV ●HRV for indoor units within a zone are operated by interlocking ●Optional interface adaptor for SkyAir series is necessary *1

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.
*1. DIII-net adaptor function is standard equipment for the FAY71L.

Easily adaptable to large-scale, high-function, centralised remote control system.

Central remote controller

DCS302CA61 (Option)

Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.

Unified on/off controller

DCS301BA61 (Option)

Centralised control of on/off by group or all at once for up to 256 indoor units.

Schedule timer

DST301BA61 (Option)

Unified control of weekly schedule for up to 1,024 indoor units.
Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time.

intelligent Touch Controller

DCS601C51 (Option)

With its high functionality, the full color "all-in-one" graphic controller facilitates management of Skyair System in a variety of ways.
*Please refer to the page 59 for the details.

Interface adaptor for SkyAir series

DTA102A52 (Option)

Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system.
Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.

Central control adaptor kit *2

DTA107A55 (Option) (for FD series)

*2.The central control adaptor kit for FDB series can be made to order.

Note : DIII-net adaptor function is standard equipment for the FAY71L.

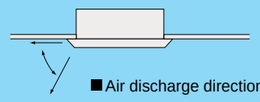
Abundance of functions that provide comfortable air-conditioning in stores and offices.

•Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

Comfort

Auto-swing

Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner.



■Air discharge direction angle can be set (fixed setting)

Swing pattern selection
(draft prevention, standard, ceiling soiling prevention)

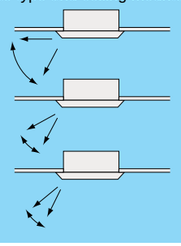
You can freely set 3 air discharge positions by remote controller.

•Applicable for ceiling mounted cassette type and ceiling mounted cassette corner type.

(1) Air direction in standard position

(2) Air direction in draft prevention position

(3) Air direction in ceiling soiling prevention position



Draft prevention function (heating)

To prevent cold air drafts, automatically adjusts airflow to horizontal vector when heating initially starts or when the thermostat turns off.

(Horizontal air discharge)

Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

Programme "Dry"

Dehumidification is microprocessor controlled to prevent uncomfortable changes in air temperature. Useful for reducing uncomfortable humidity without uncomfortable cooling.

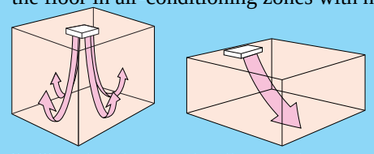
High fan speed mode

You can increase fan speed approximately 10% higher than the "high" setting.

•Applicable for wall mounted type

High-ceiling application

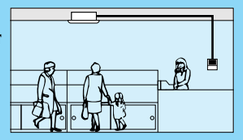
Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.



Note:When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller.
Temperature sensing closer to target area is possible to further



● Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.

Note: Wireless remote controllers have no temperature-sensor.

Hot start (after defrost)

Uncomfortable cold air draft is not discharged when heating operation starts or when switching to heat after defrosting.

Year-round cooling applicable

Efficient cooling even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

- Heat pump/RY71—140LU: possible up to -5°C
- Cooling only/R71—140LU: possible up to -15°C
- The year-round cooling kit is required as option.

Timer selector

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Mould prevention

Mould-resistant treatment for filter

Sanitary filter has mould-resistant treatment.

Mould-proofing drain pan

Mould-proofing maintains hygiene by preventing growth in highly humid conditions.

Others

Twin / triple / double twin multi operation

Simultaneously operates 2–4 indoor units with a single outdoor unit.

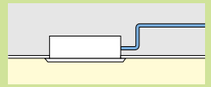
PE fin

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.
In high corrosive areas, regular maintenance needs to be carried out.

Work and Servicing

Drain pump mechanism

Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.



Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.
(Applies to R(Y)71LU–140LU)

Long-life filter

Maintenance is not required for one year (two years when a ceiling mounted cassette type is used).

Ceiling soiling prevention function

Daikin's innovative air discharge mechanism keeps airflow away from the ceiling. Ceiling cleaning is less frequently required.

Filter sign

The filter sign warns you when it is time to clean the filter.

*When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.Reliability is assured and maintenance and inspection can be carried out more quickly.

Emergency operation

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

Self diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system, are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

Control features

Auto-restart

If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.

Auto cool/heat change-over (Heat pump only)

Detects difference in preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.

Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

Control by 1 remote controller

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External command control

Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

Central remote control

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

Interlock control

Enables interlocking control with external equipment such as heat reclaim ventilation (HRV).

Options

High-efficiency filter unit

Two types are available: 65% and 90% colorimetry.

Ultra long-life filter

Requires no maintenance for about 4 years* (10,000 h) in stores and offices. * For dust concentration of 0.15 mg/m^3

Fresh-air intake kit

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating noise and may also influence temperature sending.

SPECIFICATIONS

CEILING MOUNTED CASSETTE TYPE

Model Name				35	50	60	71	100	125	140
	Indoor unit			FHC35KVE	FHC50KVE	FHC60KVE	FHYC71KVE	FHYC100KVE	FHYC125KVE	FHYC140KVE
	Outdoor unit			R35GV1	R50GV1	R60GV1	R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1	R140LUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity [1a/1b]			kW	3.54/3.5	5.34/5.3	6.44/6.4	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2
			Btu/h	12,100/11,900	18,200/18,100	22,000/21,800	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400
			kcal/h	3,040/3,010	4,590/4,560	5,540/5,500	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200
Power consumption [1a/1b]			kW	1.20/1.20	2.02/2.01	2.45/2.44	3.07/3.07 (V1) 3.05/3.05 (Y1)	4.01/4.01 (V1) 3.96/3.96 (Y1)	4.96/4.96	5.02/5.02
Indoor unit	Colour	Unit		———						
		Decoration panel		White						
	Airflow rate (H)		m³/min	14	15	19	19	28	33	35
			cfm	494	529	670	670	988	1,164	1,235
	Sound level (H/L) [2]		dB(A)	33/29	33/29	35/30	35/30	39/34	42/36	44/37
	Dimensions (H×W×D)	Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840	288×840×840	288×840×840	288×840×840
		Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
	Machine weight	Unit	kg	24	24	24	24	28	28	28
		Decoration panel	kg	5	5	5	5	5	5	5
	Certified operation range		°CWB	14 to 23			14 to 25			
Outdoor unit	Colour			Ivory white						
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type			
		Motor output	kW	1.1	1.7	2.2	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)		kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	54	48	49	49	54
	Dimensions (H×W×D)		mm	540×750×270	540×750×270	685×800×300	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320
	Machine weight		kg	37	42	61	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46, -15 to 46 [3] (Option installed)			
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	25	30		50 (equivalent length 70 m)			
Max. installation level difference			m	15			30			
Heat insulation				Both liquid and gas piping						

CEILING SUSPENDED TYPE

Model Name				35	50	60	71	100	125
	Indoor unit			FH35BVE	FH50BVE	FH60BVE	FHY71BVE	FHY100BVE	FHY125BVE
	Outdoor unit			R35GV1	R50GV1	R60GV1	R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	3.54/3.4	5.19/5.1	6.6/6.5	7.8/7.7	10.6/10.5	13.0/12.8
			Btu/h	12,100/11,600	17,700/17,500	22,760/22,200	26,600/26,200	36,100/35,700	44,500/43,600
			kcal/h	3,040/2,930	4,460/4,400	5,690/5,600	6,700/6,600	9,100/9,000	11,200/11,000
Power consumption [1a/1b]			kW	1.51/1.50	2.16/2.15	2.80/2.78	3.10/3.10 (V1) 3.08/3.08 (Y1)	3.90/3.90 (V1) 3.85/3.85 (Y1)	4.92/4.92
Indoor unit	Colour			White					
	Airflow rate (H)		m³/min	13	13	16	17	24	30
			cfm	458	458	564	600	847	1,059
	Sound level (H/L) [2]		dB(A)	37/32	38/33	38/33	39/35	42/37	44/39
	Dimensions (H×W×D)		mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680
	Machine weight		kg	23	24	26	27	32	35
	Certified operation range		°CWB	14 to 23			14 to 25		
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type		
		Motor output	kW	1.1	1.7	2.2	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	54	48	49	49
	Dimensions (H×W×D)		mm	540×750×270	540×750×270	685×800×300	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	37	42	61	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46, -15 to 46 [3] (Option installed)		
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	25	30		50 (equivalent length 70 m)		
Max. installation level difference			m	15			30		
Heat insulation				Both liquid and gas piping					

Note :
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]This value is for when year-round cooling kit (option) is installed.

CEILING SUSPENDED CASSETTE TYPE

Model Name				71	100	125
	Indoor unit			FUY71FJV1	FUY100FJV1	FUY125FJV1
	Outdoor unit			R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz		
Cooling capacity [1a/1b]			kW	7.8/7.7	10.6/10.5	13.0/12.8
			Btu/h	26,600/26,200	36,100/35,700	44,500/43,600
			kcal/h	6,700/6,600	9,100/9,000	11,200/11,000
Power consumption [1a/1b]			kW	3.08/3.08 (V1) 3.06/3.06 (Y1)	4.07/4.07 (V1) 4.02/4.02 (Y1)	4.97/4.97
Indoor unit	Colour			White		
	Airflow rate (H)		m³/min	19	29	32
			cfm	670	1,023	1,129
	Sound level (H/L) [2]		dB(A)	40/35	43/38	44/39
	Dimensions (H×W×D)		mm	165×895×895	230×895×895	230×895×895
	Machine weight		kg	25	31	31
	Certified operation range		°CWB	14 to 25		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	49
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98
	Certified operation range		°CDB	21 to 46, -15 to 46 [3] (Option installed)		
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

CEILING MOUNTED CASSETTE CORNER TYPE

Model Name				35	45	60	71
	Indoor unit			FHK35FV1	FHK45FV1	FHK60FV1	FHYK71FJV1
	Outdoor unit			R35GV1	R50GV1	R60GV1	R71LUV1 R71LUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	3.54/3.4	5.19/5.1	6.6/6.5	7.8/7.7
			Btu/h	12,100/11,600	17,700/17,500	22,760/22,200	26,600/26,200
			kcal/h	3,040/2,930	4,460/4,400	5,690/5,600	6,700/6,600
Power consumption [1a/1b]			kW	1.41/1.40	2.25/2.24	2.76/2.74	3.07/3.07 (V1) 3.05/3.05 (Y1)
Indoor unit	Colour	Unit		———			
		Decoration panel		White			
	Airflow rate (H)		m³/min	12	12	17	17
			cfm	423	423	600	600
	Sound level (H/L) [2]		dB(A)	39/33	39/34	41/36	41/36
	Dimensions (H×W×D)	Unit	mm	215×1,110×710	215×1,110×710	215×1,310×710	215×1,310×710
		Decoration panel	mm	70×1,240×800	70×1,240×800	70×1,440×800	70×1,440×800
	Machine weight	Unit	kg	30	31	33	33
		Decoration panel	kg	8.5	8.5	9.5	9.5
	Certified operation range		°CWB	14 to 23			14 to 25
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type
		Motor output	kW	1.1	1.7	2.2	2.24
	Refrigerant charge (R-22)		kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	54	48
	Dimensions (H×W×D)		mm	540×750×270	540×750×270	685×800×300	770×900×320
	Machine weight		kg	37	42	61	72 (V1), 71 (Y1)
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46 -15 to 46 [3] (Option installed)
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	25	30		50 (equivalent length 70 m)
Max. installation level difference			m	15			30
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R125LU is 7.5 m.)
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]This value is for when year-round cooling kit (option) is installed.

SPECIFICATIONS

CEILING MOUNTED BUILT-IN TYPE

Model Name				35	45	60	71	100	125
	Indoor unit			FHB35FV1	FHB45FV1	FHB60FV1	FHYB71FV1	FHYB100FV1	FHYB125FV1
	Outdoor unit			R35GV1	R50GV1	R60GV1	R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	3.54/3.4	5.19/5.1	6.6/6.5	7.8/7.7	10.6/10.5	13.0/12.8
			Btu/h	12,100/11,600	17,700/17,500	22,760/22,200	26,600/26,200	36,100/35,700	44,500/43,600
			kcal/h	3,040/2,930	4,460/4,400	5,690/5,600	6,700/6,600	9,100/9,000	11,200/11,000
Power consumption [1a/1b]			kW	1.47/1.46	2.33/2.32	2.78/2.76	3.13/3.13 (V1) 3.11/3.11 (Y1)	4.00/4.00 (V1) 3.95/3.95 (Y1)	4.74/4.74
Indoor unit	Colour	Unit		———					
		Decoration panel		White					
	Airflow rate (H)		m³/min	11.5	14	17	19	27	35
			cfm	405	494	600	670	953	1,235
	Sound level (H/L) [2]		dB(A)	38/32	39/34	41/35	41/35	41/35	44/38
	Dimensions (H×W×D)	Unit	mm	300×700×800	300×700×800	300×1,000×800	300×1,000×800	300×1,400×800	300×1,400×800
		Decoration panel	mm	55×880×500	55×880×500	55×1,100×500	55×1,100×500	55×1,500×500	55×1,500×500
	Machine weight	Unit	kg	30	31	41	41	51	52
		Decoration panel	kg	3.5	3.5	4.5	4.5	6.5	6.5
	Certified operation range		°CWB	14 to 23			14 to 25		
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type		
		Motor output	kW	1.1	1.7	2.2	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	54	48	49	49
	Dimensions (H×W×D)		mm	540×750×270	540×750×270	685×800×300	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	37	42	61	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46, -15 to 46 [3] (Option installed)		
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	25	30		50 (equivalent length 70 m)		
Max. installation level difference			m	15			30		
Heat insulation				Both liquid and gas piping					

WALL MOUNTED TYPE

Model Name				71	100
	Indoor unit			FAY71LVE	FAY100FAVE
	Outdoor unit			R71LUV1 R71LUY1	R100LUV1 R100LUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz	
Cooling capacity [1a/1b]			kW	7.8/7.7	10.6/10.5
			Btu/h	26,600/26,200	36,100/35,700
			kcal/h	6,700/6,600	9,100/9,000
Power consumption [1a/1b]			kW	2.98/ 2.98(V1) 2.96/2.96(Y1)	3.90/3.90 (V1) 3.85/3.85 (Y1)
Indoor unit	Colour			White	
	Airflow rate (H)		m³/min	19	23
			cfm	670	811
	Sound level (H/L) [2]		dB(A)	43/37	45/41
	Dimensions (H×W×D)		mm	290×1,050×230	360×1,570×200
	Machine weight		kg	13	26
	Certified operation range		°CWB	14 to 25	
Outdoor unit	Colour			Ivory white	
	Compressor	Type		Hermetically sealed scroll type	
		Motor output	kW	2.24	3.00
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)
	Certified operation range		°CDB	21 to 46, -15 to 46 [3] (Option installed)	
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1
	Drain	Indoor unit	mm	I.Dø13×O.Dø18	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)	
Max. installation level difference			m	30	
Heat insulation				Both liquid and gas piping	

Note :
[1]Rated cooling capacities are based on the following conditions:
(FHB) [1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R125LU is 7.5 m.)
(FAY) [1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R100LU is 7.5 m.)
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]This value is for when year-round cooling kit (option) is installed.

FLOOR STANDING TYPE

Model Name				71	100	125
	Indoor unit			FVY71LAVE	FVY100LAVE	FVY125LAVE
	Outdoor unit			R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz		
Cooling capacity [1a/1b]			kW	7.8/7.7	10.6/10.5	13.0/12.8
			Btu/h	26,600/26,200	36,100/35,700	44,500/43,600
			kcal/h	6,700/6,600	9,100/9,000	11,200/11,000
Power consumption [1a/1b]			kW	3.18/3.18 (V1) 3.16/3.16 (Y1)	4.03/4.03 (V1) 3.98/3.98 (Y1)	5.06/5.06
Indoor unit	Colour			White		
	Airflow rate (H)		m³/min	18	28	32
			cfm	635	988	1,129
	Sound level (H/L) [2]		dB(A)	41/35	46/40	49/43
	Dimensions (H×W×D)		mm	1,850×600×270	1,850×600×350	1,850×600×350
	Machine weight		kg	39	46	47
	Certified operation range		°CWB	14 to 25		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	49
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98
	Certified operation range		°CDB	21 to 46, -15 to 46 [3] (Option installed)		
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

DUCT CONNECTION LOW STATIC PRESSURE TYPE

Model Name				25	35	50	60	71
	Indoor unit			FDBG25AVE	FDBG35AVE	FDBG50AVE	FDBG60AVE	FDBG71AVE
	Outdoor unit			R25JV1	R35JV1	R50GV1	R60GV1	R71FUV1 R71FUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz				
Cooling capacity [1a/1b, 4]			kW	2.64/2.60	3.54/3.50	5.34/5.30	7.03/6.97	7.80/7.70
			Btu/h	9,000/8,900	12,100/11,900	18,200/18,100	24,000/23,800	26,600/26,200
			kcal/h	2,270/2,250	3,040/3,010	4,590/4,560	6,050/6,000	6,700/6,600
Power consumption [1a/1b]			kW	0.88/0.87	1.25/1.24	2.06/2.05	2.76/2.75	2.82/2.80
Indoor unit	Colour			———				
	Airflow rate (H)		m³/min	13	13	13	18	18
			cfm	458	458	458	635	635
	Fan	Driving system		Direct drive (2 speed)				
	Sound level (H/L) [2]		dB(A)	41/38	41/38	41/38	42/39	42/39
	Dimensions (H×W×D)		mm	260×900×580	260×900×580	260×900×580	260×1,300×580	260×1,300×580
	Machine weight		kg	22	22	23	31	31
	Certified operation range		°CWB	14 to 23				14 to 25
Outdoor unit	Colour			Ivory white				
	Compressor	Type		Hermetically sealed rotary type				Hermetically sealed type
		Motor output	kW	0.7	1.1	1.7	2.2	2.2
	Refrigerant charge (R-22)		kg	0.8 (Charged for 10 m)	1.0 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.10 (Charged for 5 m)
	Sound level [2]		dB(A)	46	48	49	54	52
	Dimensions (H×W×D)		mm	560×695×265	560×695×265	540×750×270	685×800×300	816×880×370
	Machine weight		kg	27	33	42	61	87 (V1), 84 (Y1)
	Certified operation range		°CDB	19.4 to 46		19.4 to 54	19.4 to 46	21 to 52
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø6.4	ø9.5
	Gas (Flare)		mm	ø9.5	ø12.7	ø15.9	ø15.9	ø15.9
	Drain	Indoor unit	mm	3/4B	3/4B	3/4B	3/4B	3/4B
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	25		30		50 (equivalent length 70 m)
Max. installation level difference			m	15				30
Heat insulation				Both liquid and gas piping				

Note :
[1]Rated cooling capacities are based on the following conditions:
(FVY) [1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R125LU is 7.5 m.)
(FDBG) [1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]This value is for when year-round cooling kit (option) is installed.
[4]Capacities are gross, with no deduction made for evaporator fan motor heat.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Model Name				71	100	125	140	180
Indoor unit				FDMG71AV1	FDMG100AV1	FDMG125AV1	FDMG140AV1	FDMG180AV1
Outdoor unit				RG71AV1 / RG71AY1	R100FUV1 / R100FUY1	R125FUY1	RG140AY1	RG180AY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz				
Cooling capacity [1a/1b]			kW	8.8/8.7	10.6/10.5	13.1/12.9	14.5/14.2	17.2/16.8
			Btu/h	30,000/29,600	36,100/35,700	44,500/43,600	49,400/48,400	58,700/57,500
			kcal/h	7,600/7,500	9,100/9,000	11,200/11,000	12,500/12,200	14,700/14,400
Power consumption [1a/1b]			kW	3.15/3.13	4.08/4.04	4.89/4.85	5.25/5.25	6.45/6.45
Indoor unit	Colour			———				
	Fan	Airflow rate (H)	m³/min	23	34	37	42	42
			cfm	811	1,200	1,306	1,412	1,482
	Sound level (H) [2]		dB(A)	42	44	45	46	47
	Dimensions (H×W×D)		mm	305×1,350×680	305×1,550×680	305×1,550×680	305×1,550×680	305×1,900×680
	Machine weight		kg	43	51	52	52	58
	Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour			Ivory white				
	Compressor	Type		Hermetically sealed type			Hermetically sealed scroll type	
		Motor output	kW	2.20	3.00	3.75	4.50	4.50
	Refrigerant charge (R-22)		kg	2.4 (Charged for 5 m)	2.4 (Charged for 5 m)	2.8 (Charged for 5 m)	2.9 (Charged for 5 m)	2.8 (Charged for 5 m)
	Sound level [2]		dB(A)	52	56	57	55	56
	Dimensions (H×W×D)		mm	816×880×370	1,215×880×370	1,215×880×370	1,345×880×370	1,345×880×370
	Machine weight		kg	87 (V1), 84 (Y1)	117 (V1), 109 (Y1)	110	113	114
	Certified operation range		°CDB	21 to 52			21 to 50	
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	3/4B	3/4B	3/4B	3/4B	3/4B
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)				
Max. installation level difference			m	30				
Heat insulation				Both liquid and gas piping				

Model Name				71	100	125	140
Indoor unit				FDYM03FAV1	FDYM04FAV1	FDYM05FAV1	FDYM06FAV1
Outdoor unit				R71LUV1 / R71LUY1	R100LUV1 / R100LUY1	R125LUY1	R140LUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2
			Btu/h	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400
			kcal/h	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200
Power consumption [1a/1b]			kW	3.25/3.25 (V1) 3.23/3.23 (Y1)	4.08/4.08 (V1) 4.03/4.03 (Y1)	5.06/5.06	5.18/5.18
Indoor unit	Colour			———			
	Fan	Airflow rate (H)	m³/min	20	26	35	37
			cfm	706	917	1,235	1,306
		External static pressure	Pa(mmH₂O)	98(10)	98(10)	98(10)	98(10)
	Sound level (H) [2]		dB(A)	39	39	44	46
	Dimensions (H×W×D)		mm	295×1,100×680	295×1,500×680	295×1,500×680	295×1,500×680
	Machine weight		kg	42	56	57	57
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
	Sound level [2]		dB(A)	48	49	49	54
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109
	Certified operation range		°CDB	21 to 46, -15 to 46 [3] (Option installed)			
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions:
[1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]This value is for when year-round cooling kit (option) is installed.

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

Model Name				71	100	125	140
Indoor unit				FD03KY1	FD04KY1	FD05KY1	FD06KY1
Outdoor unit				R71FUY1	R100FUY1	R125FUY1	RU06KY1
Power supply				Y1: 3 phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	8.1/7.9	11.0/10.8	14.0/13.8	17.4/17.2
			Btu/h	27,800/27,000	37,700/36,900	47,600/46,800	59,500/58,800
			kcal/h	7,000/6,800	9,500/9,300	12,000/11,800	15,000/14,800
Power consumption [1a/1b]			kW	2.50/2.48	3.52/3.48	4.19/4.15	5.7/5.7
Indoor unit	Colour			———			
	Airflow rate (H)		m³/min	26	30	46	52
			cfm	917	1,059	1,623	1,835
	Fan	External static pressure	Pa(mmH₂O)	69 (7)	88 (9)		
		Driving system		Belt drive			
	Sound level (H) [2]		dB(A)	46	49		51
	Dimensions (H×W×D)		mm	450×650×850	450×900×850		450×1,130×850
	Machine weight		kg	51	59	72	79
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed type			Hermetically sealed scroll type
		Motor output	kW	3.0	3.8	4.5	4.5
	Refrigerant charge (R-22)		kg	2.1 (Charged for 5 m)	2.4 (Charged for 5 m)	2.8 (Charged for 5 m)	3.0 (Charged for 5 m)
	Sound level [2]		dB(A)	52	56	57	59
	Dimensions (H×W×D)		mm	816×880×370	1,215×880×370		1,345×880×320
	Machine weight		kg	84	109	110	112
	Certified operation range		°CDB	21 to 52			
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	3/4B			
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	———
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Model Name				200	250	400	500
Indoor unit				FD08KY1	FD10KY1	FD15KY1	FD20KY1
Outdoor unit				RU08KUY1	RU10KUY1	RU08KUY1×2	RU10KUY1×2
Power supply				Y1: 3 phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	24.3/24.0	29.7/29.2	48.6/47.9	59.3/58.4
			Btu/h	83,000/81,800	101,200/99,600	166,000/163,500	202,400/199,400
			kcal/h	20,900/20,600	25,500/25,100	41,800/41,200	51,000/50,200
Power consumption [1a/1b]			kW	7.5/7.4	9.9/9.8	15.0/14.8	19.8/19.6
Indoor unit	Colour			———			
	Airflow rate (H)		m³/min	68	83	136	166
			cfm	2,400	2,929	4,800	5,859
	Fan	External static pressure	Pa(mmH₂O)	98 (10)		147 (15)	
		Driving system		Belt drive			
	Sound level (H) [2]		dB(A)	51	53	58	60
	Dimensions (H×W×D)		mm	500×1,130×850	500×1,330×850	625×1,620×850	625×1,980×850
	Machine weight		kg	93	104	161	187
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	7.5	9.0	7.5×2	9.0×2
	Refrigerant charge (R-22)		kg	5.0 (Charged for 5 m)	6.1 (Charged for 5 m)	5.0 (Charged for 5 m)×2	6.1 (Charged for 5 m)×2
	Sound level [2]		dB(A)	60	61	60 [3]	61 [3]
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,440×1,280×690	(1,220×1,280×690)×2	(1,440×1,280×690)×2
	Machine weight		kg	185	200	185×2	200×2
	Certified operation range		°CDB	21 to 52			
Piping connections	Liquid (Flare)		mm	ø12.7	ø15.9	ø12.7×2	ø15.9×2
	Gas (Brazing)		mm	ø25.4	ø31.8	ø25.4×2	ø31.8×2
	Drain	Indoor unit	mm	3/4B		1B	
		Outdoor unit	mm	———			
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
Models RU08K(U)Y1 and RU10K(U)Y1 are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]Specification for outdoor unit is for a single unit only.

SPECIFICATIONS

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

Model Name				200	250	400	500
	Indoor unit			FD08KY1	FD10KY1	FD15KY1	FD20KY1
	Outdoor unit			RU08KY1	RU10KY1	RU08KY1×2	RU10KY1×2
Power supply				Y1: 3 phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	24.3/24.0	29.7/29.2	48.6/47.9	59.3/58.4
			Btu/h	83,000/81,800	101,200/99,600	166,000/163,500	202,400/199,400
			kcal/h	20,900/20,600	25,500/25,100	41,800/41,200	51,000/50,200
Power consumption [1a/1b]			kW	7.5/7.4	9.9/9.8	15.0/14.8	19.8/19.6
Indoor unit	Colour			———			
	Airflow rate (H)		m^3/min	68	83	136	166
			cfm	2,400	2,929	4,800	5,859
	Fan	External static pressure	Pa(mmH₂O)	98 (10)		147 (15)	
		Driving system		Belt drive			
	Sound level (H) [2]		dB(A)	51	53	58	60
	Dimensions (H×W×D)		mm	500×1,130×850	500×1,330×850	625×1,620×850	625×1,980×850
	Machine weight		kg	93	104	161	187
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	7.5	9.0	7.5×2	9.0×2
	Refrigerant charge (R-22)		kg	5.0 (Field charge required for 5 m) [4]	6.1 (Field charge required for 5 m) [4]	5.0 (Field charge required for 5 m) [4] ×2	6.1 (Field charge required for 5 m) [4] ×2
	Sound level [2]		dB(A)	60	61	60 [3]	61 [3]
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,440×1,280×690	(1,220×1,280×690)×2	(1,440×1,280×690)×2
	Machine weight		kg	177	190	177×2	190×2
	Certified operation range		°CDB	21 to 52			
Piping connections	Liquid (Brazing)		mm	ϕ12.7	ϕ15.9	ϕ12.7×2	ϕ15.9×2
	Gas (Brazing)		mm	ϕ25.4	ϕ31.8	ϕ25.4×2	ϕ31.8×2
	Drain	Indoor unit	mm	3/4B		1B	
		Outdoor unit	mm	———			
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
Models RU08K(U)Y1 and RU10K(U)Y1 are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]Specification for outdoor unit is for a single unit only.
[4]This is the amount of refrigerant required for piping of five meters or less.
Since the unit does not contain refrigerant when shipped from the factory, it must be added at the installation site.
For details, please refer to the installation manual.

Simultaneous operation system **TWIN & TRIPLE & DOUBLE TWIN MULTI**

CEILING MOUNTED CASSETTE TYPE

Model Name				71	100	125	140	200	250
	Indoor unit			FHYC35KVE×2	FHYC50KVE×2	FHYC60KVE×2	FHYC71KVE×2	FHYC100KVE×2	FHYC125KVE×2
	Outdoor unit			R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1	R140LUY1	R200KUY1	R250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2	22.5/22.2	27.1/26.6
			Btu/h	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400	76,800/75,800	92,500/90,800
			kcal/h	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200	19,400/19,100	23,300/22,900
Power consumption [1a/1b]			kW	3.17/3.17 (V1) 3.15/3.15 (Y1)	4.06/4.06 (V1) 4.01/4.01 (Y1)	5.01/5.01	5.02/5.02	7.7/7.6	9.7/9.7
Indoor unit [3]	Colour	Unit		———					
		Decoration panel		White					
	Airflow rate (H)		m^3/min	14	15	19	19	28	33
			cfm	494	529	670	670	988	1,164
	Sound level (H/L) [2]		dB(A)	33/29	33/29	35/30	35/30	39/34	42/36
	Dimensions (H×W×D)	Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840	288×840×840	288×840×840
		Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
	Machine weight	Unit	kg	24	24	24	24	28	28
		Decoration panel	kg	5	5	5	5	5	5
	Certified operation range		°CWB	14 to 25					
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed scroll type					
		Motor output	kW	2.24	3.00	3.75	4.50	5.5	9.0
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)
	Sound level [2]		dB(A)	48	49	49	54	60	61
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109	178	202
	Certified operation range		°CDB	21 to 46, -15 to 46 [4] (Option installed)				-5 to 52	
Piping connections	Liquid (Flare)		mm	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ12.7	ϕ15.9
	Gas		mm	ϕ15.9 (Flare)	ϕ19.1 (Flare)	ϕ19.1 (Flare)	ϕ19.1 (Flare)	ϕ25.4 (Flange)	ϕ28.6 (Flange)
	Drain	Indoor unit	mm	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32
		Outdoor unit	mm	ϕ26.0 (Hole)	ϕ26.0 (Hole)	ϕ26.0 (Hole)	ϕ26.0 (Hole)	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)					
Max. installation level difference			m	30					
Heat insulation				Both liquid and gas piping					

Model Name				140	200	200	250
	Indoor unit			FHYC50KVE×3	FHYC71KVE×3	FHYC50KVE×4	FHYC60KVE×4
	Outdoor unit			R140LUY1	R200KUY1	R200KUY1	R250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	14.5/14.2	22.5/22.2	22.5/22.2	27.1/26.6
			Btu/h	49,400/48,400	76,800/75,800	76,800/75,800	92,500/90,800
			kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900
Power consumption [1a/1b]			kW	5.02/5.02	7.7/7.6	7.7/7.6	9.7/9.7
Indoor unit [3]	Colour	Unit		———			
		Decoration panel		White			
	Airflow rate (H)		m^3/min	15	19	15	19
			cfm	529	670	529	670
	Sound level (H/L) [2]		dB(A)	33/29	35/30	33/29	35/30
	Dimensions (H×W×D)	Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840
		Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950
	Machine weight	Unit	kg	24	24	24	24
		Decoration panel	kg	5	5	5	5
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	4.50	5.5	5.5	9.0
	Refrigerant charge (R-22)		kg	4.1 (Charged for 30 m)	5.3 (Charged for 5 m)	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)
	Sound level [2]		dB(A)	54	60	60	61
	Dimensions (H×W×D)		mm	1,345×900×320	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	109	178	178	202
	Certified operation range		°CDB	21 to 46, -15 to 46 [4] (Option installed)	-5 to 52		
Piping connections	Liquid (Flare)		mm	ϕ9.5	ϕ12.7	ϕ12.7	ϕ15.9
	Gas		mm	ϕ19.1 (Flare)	ϕ25.4 (Flange)	ϕ25.4 (Flange)	ϕ28.6 (Flange)
	Drain	Indoor unit	mm	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32
		Outdoor unit	mm	ϕ26.0 (Hole)	——	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
Models R200KU and R250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]Values shown are for a single unit only.
[4]This value is for when year-round cooling kit (option) is installed.

SPECIFICATIONS

Simultaneous operation system **TWIN & TRIPLE & DOUBLE TWIN MULTI**

CEILING SUSPENDED TYPE

Model Name				71	100	125	140	200	250
	Indoor unit			FHY35BVE × 2	FHY50BVE × 2	FHY60BVE × 2	FHY71BVE × 2	FHY100BVE × 2	FHY125BVE × 2
	Outdoor unit			R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1	R140LUY1	R200KUY1	R250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2	22.5/22.2	27.1/26.6
			Btu/h	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400	76,800/75,800	92,500/90,800
			kcal/h	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200	19,400/19,100	23,300/22,900
Power consumption [1a/1b]			kW	3.20/3.20 (V1) 3.18/3.18 (Y1)	3.95/3.95 (V1) 3.90/3.90 (Y1)	4.98/4.98	5.17/5.17	7.7/7.6	9.7/9.7
Indoor unit [3]	Colour			White					
	Airflow rate (H)		m³/min	13	13	16	17	24	30
			cfm	458	458	564	600	847	1,059
	Sound level (H/L) [2]		dB(A)	37/32	38/33	38/33	39/35	42/37	44/39
	Dimensions (H×W×D)		mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680
	Machine weight		kg	23	24	26	27	32	35
	Certified operation range		°CWB	14 to 25					
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed scroll type					
		Motor output	kW	2.24	3.00	3.75	4.50	5.5	9.0
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)
	Sound level [2]		dB(A)	48	49	49	54	60	61
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109	178	202
	Certified operation range		°CDB	21 to 46, -15 to 46 [4] (Option installed)				-5 to 52	
Piping connections	Liquid (Flare)		mm	φ9.5	φ9.5	φ9.5	φ9.5	φ12.7	φ15.9
	Gas		mm	φ15.9 (Flare)	φ19.1 (Flare)	φ19.1 (Flare)	φ19.1 (Flare)	φ25.4 (Flange)	φ28.6 (Flange)
	Drain	Indoor unit	mm	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26
		Outdoor unit	mm	φ26.0 (Hole)	φ26.0 (Hole)	φ26.0 (Hole)	φ26.0 (Hole)	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)					
Max. installation level difference			m	30					
Heat insulation				Both liquid and gas piping					

Model Name				140	200	200	250
	Indoor unit			FHY50BVE × 3	FHY71BVE × 3	FHY50BVE × 4	FHY60BVE × 4
	Outdoor unit			R140LUY1	R200KUY1	R200KUY1	R250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V,50 Hz			
Cooling capacity [1a/1b]			kW	14.5/14.2	22.5/22.2	22.5/22.2	27.1/26.6
			Btu/h	49,600/48,400	76,800/75,800	76,800/75,800	92,500/90,800
			kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900
Power consumption [1a/1b]			kW	5.17/5.17	7.7/7.6	7.7/7.6	9.7/9.7
Indoor unit [3]	Colour			White			
	Airflow rate (H)		m³/min	13	17	13	16
			cfm	458	600	458	564
	Sound level (H/L) [2]		dB(A)	38/33	39/35	38/33	38/33
	Dimensions (H×W×D)		mm	195×960×680	195×1,160×680	195×960×680	195×1,160×680
	Machine weight		kg	24	27	24	26
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	4.50	5.5	5.5	9.0
	Refrigerant charge (R-22)		kg	4.1 (Charged for 30 m)	5.3 (Charged for 5 m)	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)
	Sound level [2]		dB(A)	54	60	60	61
	Dimensions (H×W×D)		mm	1,345×900×320	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	109	178	178	202
	Certified operation range		°CDB	21 to 46, -15 to 46 [4] (Option installed)	-5 to 52		
Piping connections	Liquid (Flare)		mm	φ9.5	φ12.7	φ12.7	φ15.9
	Gas		mm	φ19.1 (Flare)	φ25.4 (Flange)	φ25.4 (Flange)	φ28.6 (Flange)
	Drain	Indoor unit	mm	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26	I.Dφ20×O.Dφ26
		Outdoor unit	mm	φ26.0 (Hole)	——	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
Models R200KU and R250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]Values shown are for a single unit only.
[4]This value is for when year-round cooling kit (option) is installed.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Model Name					200	250	200
	Indoor unit				FDYM04FAV1 × 2	FDYM05FAV1 × 2	FDYM03FAV1 × 3
	Outdoor unit				R200KUY1	R250KUY1	R200KUY1
Power supply					V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380—415 V, 50 Hz		
Cooling capacity [1a/1b]				kW	22.5/22.2	27.1/26.6	22.5/22.2
				Btu/h	76,800/75,800	92,500/90,800	76,800/75,800
				kcal/h	19,400/19,100	23,300/22,900	19,400/19,100
Power consumption [1a/1b]				kW	7.7/7.6	9.9/9.9	8.0/7.9
Indoor unit [3]	Colour				———		
	Fan	Airflow rate (H)		m³/min	26	35	20
				cfm	917	1,235	706
		External static pressure		Pa(mmH₂O)	98(10)	98(10)	98(10)
	Sound level (H) [2]			dB(A)	39	44	39
	Dimensions (H×W×D)			mm	295×1,500×680	295×1,500×680	295×1,100×680
	Machine weight			kg	56	57	42
	Certified operation range			°CWB	14 to 25		
Outdoor unit	Colour				Ivory white		
	Compressor	Type			Hermetically sealed scroll type		
		Motor output		kW	5.5	9.0	5.5
	Refrigerant charge (R-22)			kg	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)	5.3 (Charged for 5 m)
	Sound level [2]			dB(A)	60	61	60
	Dimensions (H×W×D)			mm	1,220×1,280×690	1,440×1,280×690	1,220×1,280×690
	Machine weight			kg	178	202	178
	Certified operation range			°CDB	-5 to 52		
Piping connections	Liquid (Flare)			mm	φ12.7	φ15.9	φ12.7
	Gas (Flange)			mm	φ25.4	φ28.6	φ25.4
	Drain	Indoor unit		mm	φ25I.D.,φ32O.D.	φ25I.D.,φ32O.D.	φ25I.D.,φ32O.D.
		Outdoor unit		mm	——	——	——
Max. interunit piping length				m	50 (equivalent length 70 m)		
Max. installation level difference				m	30		
Heat insulation					Both liquid and gas piping		

Note :
Models R200KU and R250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
[3]Values shown are for a single unit only.

SPECIFICATIONS

CEILING MOUNTED CASSETTE TYPE

Model Name				35	50	60	71	100	125	140
	Indoor unit			FHYC35KVE	FHYC50KVE	FHYC60KVE	FHYC71KVE	FHYC100KVE	FHYC125KVE	FHYC140KVE
	Outdoor unit			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1	RY140LUY1
Power supply				VE: 1 Phase 220–240/220 V, 50/60 Hz V1: 1 Phase 220—240 V, 50 Hz Y1: 3 Phase, 380—415 V, 50 Hz						
Cooling capacity [1a/1b]			kW	3.79/3.75	5.27/5.2	6.24/6.15	7.8/7.7	10.5/10.4	13.0/12.8	14.5/14.2
			Btu/h	12,900/12,800	18,000/17,800	21,300/21,000	26,600/26,200	35,700/35,300	44,500/43,600	49,400/48,400
			kcal/h	3,260/3,230	4,530/4,470	5,370/5,290	6,700/6,600	9,000/8,900	11,200/11,000	12,500/12,200
Heating capacity [2]			kW	4.22	5.8	7.0	7.9	11.2	14.2	16.3
			Btu/h	14,400	19,800	23,900	27,000	38,100	48,400	56,000
			kcal/h	3,630	4,990	6,020	6,800	9,600	12,200	14,000
Power consumption	Cooling [1a/1b]		kW	1.51/1.50	1.92/1.91	2.35/2.33	3.01 (3.01 (V1), 2.99/2.99 (Y1))	3.93 (3.93 (V1), 3.88/3.88 (Y1))	4.89/4.89	4.95/4.95
	Heating [2]		kW	1.37	1.68	2.26	2.84 (V1), 2.82 (Y1)	3.64 (V1), 3.60 (Y1)	4.68	4.84
Indoor unit	Colour	Unit		———						
		Decoration panel		White						
	Airflow rate (H)		m³/min	14	15	19	19	28	33	35
			cfm	494	529	670	670	988	1,164	1,235
	Sound level (H/L) [3]		dB(A)	33/29	33/29	35/30	35/30	39/34	42/36	44/37
	Dimensions (H×W×D)	Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840	288×840×840	288×840×840	288×840×840
		Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
	Machine weight	Unit	kg	24	24	24	24	28	28	28
		Decoration panel	kg	5	5	5	5	5	5	5
	Certified operation range	Cooling	°CWB	14 to 23			12 to 25			
		Heating	°CDB	15 to 28			15 to 27			
Outdoor unit	Colour			Ivory white						
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type			
		Motor output	kW	1.3	1.7	2.2	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	47/48	49/51	54/54	48/49	49/52	49/52	54/56
	Dimensions (H×W×D)		mm	540×750×270	685×800×300	685×880×350	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320
	Machine weight		kg	41	51	75	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	112
	Certified operation range	Cooling	°CDB	19.4 to 46			-5 to 46			
		Heating	°CWB	-10 to 15.5			-10 to 15			
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)			
Max. installation level difference			m	15			30			
Heat insulation				Both liquid and gas piping						

CEILING SUSPENDED TYPE

Model Name				35	50	60	71	100	125
	Indoor unit			FHY35BVE	FHY50BVE	FHY60BVE	FHY71BVE	FHY100BVE	FHY125BVE
	Outdoor unit			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1
Power supply				VE: 1 Phase 220–240/220 V, 50/60 Hz V1: 1 Phase 220—240 V, 50 Hz Y1: 3 Phase, 380—415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	3.5/3.5	5.0/4.85	6.3/6.15	7.8/7.7	10.5/10.4	13.0/12.8
			Btu/h	12,100/11,900	16,900/16,600	21,400/21,000	26,600/26,200	35,700/35,300	44,500/43,600
			kcal/h	3,040/3,000	4,260/4,200	5,390/5,300	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity [2]			kW	4.1	5.5	7.1	7.9	11.2	14.2
			Btu/h	14,000	18,800	24,200	27,000	38,100	48,400
			kcal/h	3,520	4,750	6,100	6,800	9,600	12,200
Power consumption	Cooling [1a/1b]		kW	1.58/1.57	2.17/2.16	3.14/3.12	3.04/3.04 (V1), 3.02/3.02 (Y1)	3.82/3.82 (V1), 3.77/3.77 (Y1)	4.85/4.85
	Heating [2]		kW	1.37	1.96	2.94	2.98 (V1), 2.95 (Y1)	3.69 (V1), 3.64 (Y1)	4.77
Indoor unit	Colour			White					
	Airflow rate (H)		m³/min	13	13	16	17	24	30
			cfm	458	458	564	600	847	1,059
	Sound level (H/L) [3]		dB(A)	37/32	38/33	38/33	39/35	42/37	44/39
	Dimensions (H×W×D)		mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680
	Machine weight		kg	23	24	26	27	32	35
	Certified operation range	Cooling	°CWB	14 to 23			12 to 25		
		Heating	°CDB	15 to 28			15 to 27		
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type		
		Motor output	kW	1.3	1.7	2.2	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	47/48	49/51	54/54	48/49	49/52	49/52
	Dimensions (H×W×D)		mm	540×750×270	685×800×300	685×880×350	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	41	51	75	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101
	Certified operation range	Cooling	°CDB	19.4 to 46			-5 to 46		
		Heating	°CWB	-10 to 15.5			-10 to 15		
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)		
Max. installation level difference			m	15			30		
Heat insulation				Both liquid and gas piping					

Note :
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[2]Rated heating capacities are based on the following conditions:
Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.

CEILING SUSPENDED CASSETTE TYPE

Model Name				71	100	125
	Indoor unit			FUY71FJV1	FUY100FJV1	FUY125FJV1
	Outdoor unit			RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1
Power supply				V1: 1 Phase 220–240 V, 50 Hz Y1: 3 Phase, 380—415 V, 50 Hz		
Cooling capacity [1a/1b]			kW	7.8/7.7	10.5/10.4	13.0/12.8
			Btu/h	26,600/26,200	35,700/35,300	44,500/43,600
			kcal/h	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity [2]			kW	7.9	11.2	14.2
			Btu/h	27,000	38,100	48,400
			kcal/h	6,800	9,600	12,200
Power consumption	Cooling [1a/1b]		kW	3.02/3.02 (V1), 3.00/3.00 (Y1)	3.99/3.99 (V1), 3.94/3.94 (Y1)	4.90/4.90
	Heating [2]		kW	2.87 (V1), 2.84 (Y1)	3.66 (V1), 3.62 (Y1)	4.61
Indoor unit	Colour			White		
	Airflow rate (H)		m³/min	19	29	32
			cfm	670	1,023	1,129
	Sound level (H/L) [3]		dB(A)	40/35	43/38	44/39
	Dimensions (H×W×D)		mm	165×895×895	230×895×895	230×895×895
	Machine weight		kg	25	31	31
	Certified operation range	Cooling	°CWB	12 to 25		
		Heating	°CDB	15 to 27		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	48/49	49/52	49/52
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101
	Certified operation range	Cooling	°CDB	-5 to 46		
		Heating	°CWB	-10 to 15		
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26		
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

CEILING MOUNTED CASSETTE CORNER TYPE

Model Name				35	45	60	71
	Indoor unit			FHYK35FJV1	FHYK45FJV1	FHYK60FJV1	FHYK71FJV1
	Outdoor unit			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	3.5/3.5	5.0/4.85	6.3/6.15	7.8/7.7
			Btu/h	12,100/11,900	16,900/16,600	21,400/21,000	26,600/26,200
			kcal/h	3,040/3,000	4,260/4,200	5,390/5,300	6,700/6,600
Heating capacity [2]			kW	4.1	5.5	7.1	7.9
			Btu/h	14,000	18,800	24,000	27,000
			kcal/h	3,520	4,740	6,080	6,800
Power consumption	Cooling [1a/1b]		kW	1.47/1.46	1.95/1.94	2.87/2.85	3.01/3.01 (V1), 2.99/2.99 (Y1)
	Heating [2]		kW	1,25	1.72	2.65	2.91 (V1), 2.88 (Y1)
Indoor unit	Colour	Unit		———			
		Decoration panel		White			
	Airflow rate (H)		m³/min	12	12	17	17
			cfm	423	423	600	600
	Sound level (H/L) [3]		dB(A)	39/33	39/34	41/36	41/36
	Dimensions (H×W×D)	Unit	mm	215×1,110×710	215×1,110×710	215×1,310×710	215×1,310×710
		Decoration panel	mm	70×1,240×800	70×1,240×800	70×1,440×800	70×1,440×800
	Machine weight	Unit	kg	30	31	33	33
		Decoration panel	kg	8.5	8.5	9.5	9.5
	Certified operation range	Cooling	°CWB	14 to 23			12 to 25
		Heating	°CDB	15 to 28			15 to 27
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type
		Motor output	kW	1.3	1.7	2.2	2.24
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	47/48	49/51	54/54	48/49
	Dimensions (H×W×D)		mm	540×750×270	685×800×300	685×880×350	770×900×320
	Machine weight		kg	41	51	75	73 (V1), 72 (Y1)
	Certified operation range	Cooling	°CDB	19.4 to 46			-5 to 46
		Heating	°CWB	-10 to 15.5			-10 to 15
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)
Max. installation level difference			m	15			30
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY125LU is 7.5 m.)
[2]Rated heating capacities are based on the following conditions:
Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY125LU is 7.5 m.)
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS

CEILING MOUNTED BUILT-IN TYPE

Model Name				35	45	60	71	100	125
	Indoor unit			FHYB35FV1	FHYB45FV1	FHYB60FV1	FHYB71FV1	FHYB100FV1	FHYB125FV1
	Outdoor unit			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	3.5/3.5	5.0/4.85	6.3/6.15	7.8/7.7	10.5/10.4	13.0/12.8
			Btu/h	12,100/11,900	16,900/16,600	21,400/21,000	26,600/26,200	35,700/35,300	44,500/43,600
			kcal/h	3,040/3,000	4,260/4,200	5,390/5,300	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity [2]			kW	4.1	5.5	7.1	7.9	11.2	14.2
			Btu/h	14,000	18,800	24,200	27,000	38,100	48,400
			kcal/h	3,520	4,750	6,100	6,800	9,600	12,200
Power consumption	Cooling [1a/1b]		kW	1.53/1.52	1.97/1.96	2.91/2.89	3.07/3.07 (V1), 3.05/3.05 (Y1)	3.92/3.92 (V1), 3.87/3.87 (Y1)	4.67/4.67
	Heating [2]		kW	1.34	1.92	2.71	3.06 (V1), 3.03 (Y1)	3.75 (V1), 3.70 (Y1)	4.63
Indoor unit	Colour	Unit		———					
		Decoration panel		White					
	Airflow rate (H)		m³/min	11.5	14	17	19	27	35
			cfm	405	494	600	670	953	1,235
	Sound level (H/L) [3]		dB(A)	38/32	39/34	41/35	41/35	41/35	44/38
	Dimensions (H×W×D)	Unit	mm	300×700×800	300×700×800	300×1,000×800	300×1,000×800	300×1,400×800	300×1,400×800
		Decoration panel	mm	55×880×500	55×880×500	55×1,100×500	55×1,100×500	55×1,500×500	55×1,500×500
	Machine weight	Unit	kg	30	31	41	41	51	52
		Decoration panel	kg	3.5	3.5	4.5	4.5	6.5	6.5
	Certified operation range	Cooling	˚CWB	14 to 23			12 to 25		
		Heating	˚CDB	15 to 28			15 to 27		
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type		
		Motor output	kW	1.3	1.7	2.2	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	47/48	49/51	54/54	48/49	49/52	49/52
	Dimensions (H×W×D)		mm	540×750×270	685×800×300	685×880×350	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	41	51	75	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101
	Certified operation range	Cooling	˚CDB	19.4 to 46			-5 to 46		
		Heating	˚CWB	-10 to 15.5			-10 to 15		
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)		
Max. installation level difference			m	15			30		
Heat insulation				Both liquid and gas piping					

WALL MOUNTED TYPE

Model Name				71	100
	Indoor unit			FAY71LVE	FAY100FAVE
	Outdoor unit			RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1
Power Supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz	
Cooling capacity [1a/1b]			kW	7.8/7.7	10.5/10.4
			Btu/h	26,600/26,200	35,700/35,300
			kcal/h	6,700/6,600	9,000/8,900
Heating capacity [2]			kW	7.9	11.2
			Btu/h	27,000	38,100
			kcal/h	6,800	9,600
Power consumption	Cooling [1a/1b]		kW	2.92/2.92 (V1), 2.90/2.90 (Y1)	3.82/ 3.82 (V1), 3.77/ 3.77 (Y1)
	Heating [2]		kW	2.85 (V1), 2.82 (Y1)	3.66 (V1), 3.61 (Y1)
Indoor unit	Colour			White	
	Airflow rate (H)		m³/min	19	23
			cfm	670	811
	Sound level (H/L) [3]		dB(A)	43/37	45/41
	Dimensions (H×W×D)		mm	290×1,050×230	360×1,570×200
	Machine weight		kg	13	26
	Certified operation range	Cooling	˚CWB	12 to 25	
		Heating	˚CDB	15 to 27	
Outdoor unit	Colour			Ivory white	
	Compressor	Type		Hermetically sealed scroll type	
		Motor output	kW	2.24	3.00
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	48/49	49/52
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320
	Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)
	Certified operation range	Cooling	˚CDB	-5 to 46	
		Heating	˚CWB	-10 to 15	
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1
	Drain	Indoor unit	mm	I.Dø13×O.Dø18	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)	
Max. installation level difference			m	30	
Heat insulation				Both liquid and gas piping	

Note :
[1]Rated cooling capacities are based on the following conditions:
(FHYB) [1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY125LU is 7.5 m.)
(FAY) [1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Rated heating capacities are based on the following conditions:
(FHYB) Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY125LU is 7.5 m.)
(FAY) Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.

FLOOR STANDING TYPE

Model Name				71	100	125
	Indoor unit			FVY71LAVE	FVY100LAVE	FVY125LAVE
	Outdoor unit			RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1
				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz		Y1: 3 Phase, 380–415 V, 50 Hz
Cooling capacity [1a/1b]			kW	7.8/7.7	10.5/10.4	13.0/12.8
			Btu/h	26,600/26,200	35,700/35,300	44,500/43,600
			kcal/h	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity [2]			kW	7.9	11.2	14.2
			Btu/h	27,000	38,100	48,400
			kcal/h	6,800	9,600	12,200
Power consumption	Cooling [1a/1b]		kW	3.12/3.12 (V1), 3.10/3.10 (Y1)	3.95/3.95 (V1), 3.90/3.90 (Y1)	4.99/4.99
	Heating [2]		kW	3.00 (V1), 2.97 (Y1)	3.75 (V1), 3.70 (Y1)	4.73
Indoor unit	Colour			White		
	Airflow rate (H)		m³/min	18	28	32
			cfm	635	988	1,129
	Sound level (H/L) [3]		dB(A)	41/35	46/40	49/43
	Dimensions (H×W×D)		mm	1,850×600×270	1,850×600×350	1,850×600×350
	Machine weight		kg	39	46	47
	Certified operation range	Cooling	˚CWB	12 to 25		
		Heating	˚CDB	15 to 27		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	2.24	3.00	3.75
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	48/49	49/52	49/52
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320
	Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101
	Certified operation range	Cooling	˚CDB	-5 to 46		
		Heating	˚CWB	-10 to 15		
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

DUCT CONNECTION LOW STATIC PRESSURE TYPE

Model Name				35	50	60	71
	Indoor unit			FDYB35KAVE	FDYB50KAVE	FDYB60KAVE	FDYB71KAVE
	Outdoor unit			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	3.79/3.75	5.27/5.20	6.24/6.15	7.8/7.7
			Btu/h	12,900/12,800	18,000/17,800	21,300/21,000	26,600/26,200
			kcal/h	3,260/3,230	4,530/4,470	5,370/5,290	6,700/6,600
Heating capacity [2]			kW	4.22	5.80	7.0	7.9
			Btu/h	14,400	19,800	23,900	27,000
			kcal/h	3,630	4,990	6,020	6,800
Power consumption	Cooling [1a/1b]		kW	1.51/1.50	2.01/2.00	2.38/2.36	3.08/3.08 (V1), 3.06/3.06 (Y1)
	Heating [2]		kW	1.33	1.78	2.29	2.91 (V1), 2.88 (Y1)
Indoor unit	Colour			———			
	Airflow rate (H)		m³/min	13		18	
			cfm	460		635	
	Fan	External static pressure	Pa(mmH₂O)	20 (2)			
		Driving system		Direct drive (2 speed)			
	Sound level (H/L) [3]		dB(A)	41/38		43/40	
	Dimensions(H×W×D)		mm	260×900×580		260×1,300×580	
	Machine weight		kg	22	23	31	
	Certified operation range	Cooling	˚CWB	14 to 23			12 to 25
		Heating	˚CDB	15 to 28			15 to 27
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed rotary type			Hermetically sealed scroll type
		Motor output	kW	1.3	1.7	2.2	2.24
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)
	Sound level (Cooling/Heating) [3]		dB(A)	47/48	49/51	54/54	48/49
	Dimensions (H×W×D)		mm	540×750×270	685×800×300	685×880×350	770×900×320
	Machine weight		kg	41	51	75	73 (V1), 72 (Y1)
	Certified operation range	Cooling	˚CDB	19.4 to 46			-5 to 46
		Heating	˚CWB	-10 to 15.5			-10 to 15
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9
	Drain	Indoor unit	mm	3/4B			
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)
Max. installation level difference			m	15			30
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions:
(FVY) [1b]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).
(FDYB) [1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[2]Rated heating capacities are based on the following conditions:
(FVY) Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
(FDYB) Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal).
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Model Name	Indoor unit	71	100	125	140
	Outdoor unit	RY71LUV1	RY100LUV1	RY125LUY1	RY140LUY1
		RY71LUY1	RY100LUY1		
Power supply		V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]	kW	7.8/7.7	10.5/10.4	13.0/12.8	14.5/14.2
	Btu/h	26,600/26,200	35,700/35,300	44,500/43,600	49,400/48,400
	kcal/h	6,700/6,600	9,000/8,900	11,200/11,000	12,500/12,200
Heating capacity [2]	kW	7.9	11.2	14.2	16.3
	Btu/h	27,000	38,100	48,400	56,000
	kcal/h	6,800	9,600	12,200	14,000
Power consumption — Cooling [1a/1b]	kW	3.19/3.19 (V1), 3.17/3.17 (Y1)	4.00/4.00 (V1), 3.95/3.95 (Y1)	4.99/4.99	5.10/5.10
Power consumption — Heating [2]	kW	2.95 (V1), 2.92 (Y1)	3.91 (V1), 3.86 (Y1)	4.75	4.96
Indoor unit — Colour		——			
Fan — Airflow rate (H)	m³/min	20	26	35	37
	cfm	706	917	1,235	1,306
Fan — External static pressure	Pa(mmH₂O)	98 (10)	98 (10)	98 (10)	98 (10)
Sound level (H) [3]	dB(A)	39	39	44	46
Dimensions (H×W×D)	mm	295×1,100×680	295×1,500×680	295×1,500×680	295×1,500×680
Machine weight	kg	42	56	57	57
Certified operation range — Cooling	°CWB	12 to 25			
Certified operation range — Heating	°CDB	15 to 27			
Outdoor unit — Colour		Ivory white			
Compressor — Type		Hermetically sealed scroll type			
Compressor — Motor output	kW	2.24	3.00	3.75	4.50
Refrigerant charge (R-22)	kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
Sound level (Cooling/Heating) [3]	dB(A)	48/49	49/52	49/52	54/56
Dimensions (H×W×D)	mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320
Machine weight	kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	112
Certified operation range — Cooling	°CDB	-5 to 46			
Certified operation range — Heating	°CWB	-10 to 15			
Piping connections — Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	ø9.5
Piping connections — Gas (Flare)	mm	ø15.9	ø19.1	ø19.1	ø19.1
Piping connections — Drain — Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
Piping connections — Drain — Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length	m	50 (equivalent length 70 m)			
Max. installation level difference	m	30			
Heat insulation		Both liquid and gas piping			

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

Model Name	Indoor unit	140	200	250	400	500
	Outdoor unit	RY140LUY1	RY200KUY1	RY250KUY1	RY200KUY1×2	RY250KUY1×2
Power supply		Y1: 3 phase, 380–415 V (4 wires), 50 Hz				
Cooling capacity [1a/1b]	kW	14.5/14.2	22.5/22.2	27.6/27.1	44.0/43.5	53.9/53.0
	Btu/h	49,500/48,500	76,800/75,700	94,200/92,500	150,000/148,000	184,000/181,000
	kcal/h	12,500/12,220	19,300/19,100	23,700/23,300	37,800/37,400	46,400/45,600
Heating capacity [2]	kW	15.3	23.2	29.5	44.8	56.8
	Btu/h	52,200	79,200	100,700	153,000	194,000
	kcal/h	13,200	20,000	25,400	38,500	48,800
Power consumption — Cooling [1a/1b]	kW	5.14/5.14	7.2/7.1	9.3/9.2	14.4/14.2	18.5/18.3
Power consumption — Heating [2]	kW	4.54	6.1	8.8	12.2	17.6
Indoor unit — Colour		——				
Airflow rate (H)	m³/min	52	68	83	136	166
	cfm	1,835	2,400	2,929	4,800	5,859
Fan — External static pressure	Pa(mmH₂O)	108 (11)	118 (12)		147 (15)	
Fan — Driving system		Belt drive				
Sound level (H) [3]	dB(A)	51		53	58	60
Dimensions(H×W×D) [5]	mm	450×1,130×850	500×1,130×850	500×1,330×850	625×1,620×850	625×1,980×850
Machine weight	kg	80	94	105	161	187
Certified operation range — Cooling	°CWB	12 to 25	14 to 25			
Certified operation range — Heating	°CDB	15 to 27				
Outdoor unit — Colour		Ivory white				
Compressor — Type		Hermetically sealed scroll type				
Compressor — Motor output	kW	4.5	5.5	9.0	5.5×2	9.0×2
Refrigerant charge (R-22)	kg	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)	4.0 (Charged for 5 m)×2	5.5 (Charged for 5 m)×2
Sound level (Cooling/Heating) [3]	dB(A)	54/56	60/62	61/63	60/62 [4]	61/63 [4]
Dimensions (H×W×D)	mm	1,345×900×320	1,220×1,280×690	1,440×1,280×690	(1,220×1,280×690)×2	(1,440×1,280×690)×2
Machine weight	kg	112	180	206	180×2	206×2
Certified operation range — Cooling	°CDB	-5 to 46	0 to 50		0 to 50	
Certified operation range — Heating	°CWB	-10 to 15	-10 to 15		-10 to 15	
Piping connections — Liquid (Flare)	mm	ø9.5	ø12.7	ø15.9	ø12.7×2	ø15.9×2
Piping connections — Gas	mm	ø19.1 (Flare)	ø25.4 (Flange)	ø28.6 (Flange)	ø25.4×2 (Flange)	ø28.6×2 (Flange)
Piping connections — Drain — Indoor unit	mm	3/4B			1B	
Piping connections — Drain — Outdoor unit	mm	ø26.0 (Hole)	——			
Max. interunit piping length	m	50 (equivalent length 70 m)				
Max. installation level difference	m	30				
Heat insulation		Both liquid and gas piping				

Note :
Models RY200KU and RY250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[2]Rated heating capacities are based on the following conditions:
Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[4]Specification for outdoor unit is for a single unit only.
[5]Without control box.

CEILING MOUNTED CASSETTE TYPE

Model Name	Indoor unit	71	100	125	140	200	250
	Outdoor unit	FHYC35KVE×2	FHYC50KVE×2	FHYC60KVE×2	FHYC71KVE×2	FHYC100KVE×2	FHYC125KVE×2
		RY71LUV1	RY100LUV1	RY125LUY1	RY140LUY1	RY200KUY1	RY250KUY1
		RY71LUY1	RY100LUY1				
Power supply		VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]	kW	7.8/7.7	10.5/10.4	13.0/12.8	14.5/14.2	22.5/22.2	27.1/26.6
	Btu/h	26,600/26,200	35,700/35,300	44,500/43,600	49,400/48,400	76,800/75,800	92,500/90,800
	kcal/h	6,700/6,600	9,000/8,900	11,200/11,000	12,500/12,200	19,400/19,100	23,300/22,900
Heating capacity [2]	kW	7.9	11.2	14.2	16.3	22.7	28.4
	Btu/h	27,000	38,100	48,400	56,000	77,500	97,000
	kcal/h	6,800	9,600	12,200	14,000	19,500	24,400
Power consumption — Cooling [1a/1b]	kW	3.11/3.11 (V1), 3.09/3.09 (Y1)	3.98/3.98 (V1), 3.93/3.93 (Y1)	4.94/4.94	4.95/4.95	7.7/7.6	9.7/9.7
Power consumption — Heating [2]	kW	2.94 (V1), 2.92 (Y1)	3.69 (V1), 3.65 (Y1)	4.73	4.84	6.5	9.2
Indoor unit [3] — Colour — Unit		——					
Indoor unit [3] — Colour — Decoration panel		White					
Airflow rate (H)	m³/min	14	15	19	19	28	33
	cfm	494	529	670	670	988	1,164
Sound level (H/L) [4]	dB(A)	33/29	33/29	35/30	35/30	39/34	42/36
Dimensions (H×W×D) — Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840	288×840×840	288×840×840
Dimensions (H×W×D) — Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
Machine weight — Unit	kg	24	24	24	24	28	28
Machine weight — Decoration panel	kg	5	5	5	5	5	5
Certified operation range — Cooling	°CWB	12 to 25				14 to 25	
Certified operation range — Heating	°CDB	15 to 27				15 to 27	
Outdoor unit — Colour		Ivory white					
Compressor — Type		Hermetically sealed scroll type					
Compressor — Motor output	kW	2.24	3.00	3.75	4.50	5.5	9.0
Refrigerant charge (R-22)	kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)
Sound level (Cooling/Heating) [4]	dB(A)	48/49	49/52	49/52	54/56	60/62	61/63
Dimensions (H×W×D)	mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	1,220×1,280×690	1,440×1,280×690
Machine weight	kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	112	180	206
Certified operation range — Cooling	°CDB	-5 to 46				0 to 50	
Certified operation range — Heating	°CWB	-10 to 15				-10 to 15	
Piping connections — Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	ø9.5	ø12.7	ø15.9
Piping connections — Gas	mm	ø15.9 (Flare)	ø19.1 (Flare)	ø19.1 (Flare)	ø19.1 (Flare)	ø25.4 (Flange)	ø28.6 (Flange)
Piping connections — Drain — Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
Piping connections — Drain — Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	——	——
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					
Heat insulation		Both liquid and gas piping					

Model Name	Indoor unit	140	200	200	250
	Outdoor unit	FHYC50KVE×3	FHYC71KVE×3	FHYC50KVE×4	FHYC60KVE×4
		RY140LUY1	RY200KUY1	RY200KUY1	RY250KUY1
Power supply		VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]	kW	14.5/14.2	22.5/22.2	22.5/22.2	27.1/26.6
	Btu/h	49,400/48,400	76,800/75,800	76,800/75,800	92,500/90,800
	kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900
Heating capacity [2]	kW	16.3	22.7	22.7	28.4
	Btu/h	56,000	77,500	77,500	97,000
	kcal/h	14,000	19,500	19,500	24,400
Power consumption — Cooling [1a/1b]	kW	4.95/4.95	7.7/7.6	7.7/7.6	9.7/9.7
Power consumption — Heating [2]	kW	4.84	6.5	6.5	9.2
Indoor unit [3] — Colour — Unit		——			
Indoor unit [3] — Colour — Decoration panel		White			
Airflow rate (H)	m³/min	15	19	15	19
	cfm	529	670	529	670
Sound level (H/L) [4]	dB(A)	33/29	35/30	33/29	35/30
Dimensions (H×W×D) — Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840
Dimensions (H×W×D) — Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950
Machine weight — Unit	kg	24	24	24	24
Machine weight — Decoration panel	kg	5	5	5	5
Certified operation range — Cooling	°CWB	12 to 25	14 to 25		
Certified operation range — Heating	°CDB	15 to 27	15 to 27		
Outdoor unit — Colour		Ivory white			
Compressor — Type		Hermetically sealed scroll type			
Compressor — Motor output	kW	4.50	5.5	5.5	9.0
Refrigerant charge (R-22)	kg	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)
Sound level (Cooling/Heating) [4]	dB(A)	54/56	60/62	60/62	61/63
Dimensions (H×W×D)	mm	1,345×900×320	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690
Machine weight	kg	112	180	180	206
Certified operation range — Cooling	°CDB	-5 to 46	0 to 50		
Certified operation range — Heating	°CWB	-10 to 15	-10 to 15		
Piping connections — Liquid (Flare)	mm	ø9.5	ø12.7	ø12.7	ø15.9
Piping connections — Gas	mm	ø19.1 (Flare)	ø25.4 (Flange)	ø25.4 (Flange)	ø28.6 (Flange)
Piping connections — Drain — Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
Piping connections — Drain — Outdoor unit	mm	ø26.0 (Hole)	——	——	——
Max. interunit piping length	m	50 (equivalent length 70 m)			
Max. installation level difference	m	30			
Heat insulation		Both liquid and gas piping			

Note :
Models RY200KU and RY250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[2]Rated heating capacities are based on the following conditions:
Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[3]Values shown are for a single unit only.
[4]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING SUSPENDED TYPE

Model Name				71	100	125	140	200	250
Indoor unit				FHY35BVE × 2	FHY50BVE × 2	FHY60BVE × 2	FHY71BVE × 2	FHY100BVE × 2	FHY125BVE × 2
Outdoor unit				RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1	RY140LUY1	RY200KUY1	RY250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity [1a/1b]			kW	7.8/7.7	10.5/10.4	13.0/12.8	14.5/14.2	22.5/22.2	27.1/26.6
			Btu/h	26,600/26,200	35,700/35,300	44,500/43,600	49,400/48,400	76,800/75,800	92,500/90,800
			kcal/h	6,700/6,600	9,000/8,900	11,200/11,000	12,500/12,200	19,400/19,100	23,300/22,900
Heating capacity [2]			kW	7.9	11.2	14.2	16.3	22.7	28.4
			Btu/h	27,000	38,100	48,400	56,000	77,500	97,000
			kcal/h	6,800	9,600	12,200	14,000	19,500	24,400
Power consumption	Cooling [1a/1b]		kW	3.14/3.14 (V1) 3.12/3.12 (Y1)	3.87/3.87 (V1) 3.82/3.82 (Y1)	4.91/4.91	5.10/5.10	7.7/7.6	9.7/9.9
	Heating [2]		kW	3.08 (V1), 3.05 (Y1)	3.74 (V1),3.69 (Y1)	4.83	4.99	6.5	9.2
Indoor unit [3]	Colour			White					
	Airflow rate (H)		m³/min	13	13	16	17	24	30
			cfm	458	458	564	600	847	1,059
	Sound level (H/L) [4]		dB(A)	37/32	38/33	38/33	39/35	42/37	44/39
	Dimensions (H×W×D)		mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680
	Machine weight		kg	23	24	26	27	32	35
	Certified operation range	Cooling	°CWB	12 to 25				14 to 25	
		Heating	°CDB	15 to 27				15 to 27	
Outdoor unit	Colour			Ivory white					
	Compressor	Type		Hermetically sealed scroll type					
		Motor output	kW	2.24	3.00	3.75	4.50	5.5	9.0
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)
	Sound level (Cooling/Heating) [4]		dB(A)	48/49	49/52	49/52	54/56	60/62	61/63
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	112	180	206
	Certified operation range	Cooling	°CDB	-5 to 46				0 to 50	
		Heating	°CWB	-10 to 15				-10 to 15	
Piping connections	Liquid (Flare)		mm	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ12.7	ϕ15.9
	Gas		mm	ϕ15.9 (Flare)	ϕ19.1 (Flare)	ϕ19.1 (Flare)	ϕ19.1 (Flare)	ϕ25.4 (Flange)	ϕ28.6 (Flange)
	Drain	Indoor unit	mm	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26
		Outdoor unit	mm	ϕ26.0 (Hole)	ϕ26.0 (Hole)	ϕ26.0 (Hole)	ϕ26.0 (Hole)	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)					
Max. installation level difference			m	30					
Heat insulation				Both liquid and gas piping					

Model Name				140	200	200	200
Indoor unit				FHY50BVE × 3	FHY71BVE × 3	FHY50BVE × 4	FHY60BVE × 4
Outdoor unit				RY140LUY1	RY200KUY1	RY200KUY1	RY250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity [1a/1b]			kW	14.5/14.2	22.5/22.2	22.5/22.2	27.1/26.6
			Btu/h	49,400/48,400	76,800/75,800	76,800/75,800	92,500/90,800
			kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900
Heating capacity [2]			kW	16.3	22.7	22.7	28.4
			Btu/h	56,000	77,500	77,500	97,000
			kcal/h	14,000	19,500	19,500	24,400
Power consumption	Cooling [1a/1b]		kW	5.10/5.10	7.7/7.6	7.7/7.6	9.7/9.7
	Heating [2]		kW	4.99	6.5	6.5	9.2
Indoor unit [3]	Colour			White			
	Airflow rate (H)		m³/min	13	17	13	16
			cfm	458	600	458	564
	Sound level (H/L) [4]		dB(A)	38/33	39/35	38/33	38/33
	Dimensions (H×W×D)		mm	195×960×680	195×1,160×680	195×960×680	195×1,160×680
	Machine weight		kg	24	27	24	26
	Certified operation range	Cooling	°CWB	12 to 25	14 to 25		
		Heating	°CDB	15 to 27	15 to 27		
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	4.50	5.5	5.5	9.0
	Refrigerant charge (R-22)		kg	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)
	Sound level (Cooling/Heating) [4]		dB(A)	54/56	60/62	60/62	61/63
	Dimensions (H×W×D)		mm	1,345×900×320	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	112	180	180	206
	Certified operation range	Cooling	°CDB	-5 to 46	0 to 50		
		Heating	°CWB	-10 to 15	-10 to 15		
Piping connections	Liquid (Flare)		mm	ϕ9.5	ϕ12.7	ϕ12.7	ϕ15.9
	Gas		mm	ϕ19.1 (Flare)	ϕ25.4 (Flange)	ϕ25.4 (Flange)	ϕ28.6 (Flange)
	Drain	Indoor unit	mm	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26	I.Dϕ20×O.Dϕ26
		Outdoor unit	mm	ϕ26.0 (Hole)	——	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
Models RY200KU and RY250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[2]Rated heating capacities are based on the following conditions:
Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
[3]Values shown are for a single unit only.
[4]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION LOW STATIC PRESSURE TYPE

Model Name				200	200	250
Indoor unit				FDYB50KAVE × 4	FDYB71KAVE × 3	FDYB60KAVE × 4
Outdoor unit				RY200KUY1	RY200KUY1	RY250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz		
Cooling capacity [1a/1b]			kW	22.5/22.2	22.5/22.2	27.1/26.6
			Btu/h	76,800/75,800	76,800/75,800	92,500/90,800
			kcal/h	19,400/19,100	19,400/19,100	23,300/22,900
Heating capacity [2]			kW	22.7	22.7	28.4
			Btu/h	77,500	77,500	97,000
			kcal/h	19,500	19,500	24,400
Power consumption	Cooling [1a/1b]		kW	7.7/7.6	7.7/7.6	9.7/9.7
	Heating [2]		kW	6.5	6.5	9.2
Indoor unit [3]	Colour			——		
	Airflow rate (H)		m³/min	13	18	18
			cfm	458	635	635
	Fan	External static pressure	Pa(mmH₂O)	20 (2)		
	Sound level (H) [4]		dB(A)	41	43	43
	Dimensions (H×W×D)		mm	260×900×580	260×1,300×580	260×1,300×580
	Machine weight		kg	23	31	31
	Certified operation range	Cooling	°CWB	14 to 25	14 to 25	14 to 25
		Heating	°CDB	15 to 27	15 to 27	15 to 27
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	5.5	5.5	9.0
	Refrigerant charge (R-22)		kg	4.0 (Charged for 5 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)
	Sound level (Cooling/Heating) [4]		dB(A)	60/62	60/62	61/63
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690
	Machine weight		kg	180	180	206
	Certified operation range	Cooling	°CDB	0 to 50		
		Heating	°CWB	-10 to 15		
Piping connections	Liquid		mm	ϕ12.7 (Flare)	ϕ12.7 (Flare)	ϕ15.9 (Flare)
	Gas		mm	ϕ25.4 (Flange)	ϕ25.4 (Flange)	ϕ28.6 (Flange)
	Drain	Indoor unit	mm	3/4B		
		Outdoor unit	mm	——		
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Model Name				200	250	200
Indoor unit				FDYM04FAV1 × 2	FDYM05FAV1 × 2	FDYM03FAV1 × 3
Outdoor unit				RY200KUY1	RY250KUY1	RY200KUY1
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz		
Cooling capacity [1a/1b]			kW	22.5/22.2	27.1/26.6	22.5/22.2
			Btu/h	76,800/75,800	92,500/90,800	76,800/75,800
			kcal/h	19,400/19,100	23,300/22,900	19,400/19,100
Heating capacity [2]			kW	22.7	28.4	22.7
			Btu/h	77,500	97,000	77,500
			kcal/h	19,500	24,400	19,500
Power consumption	Cooling [1a/1b]		kW	7.7/7.6	9.9/9.9	8.0/7.9
	Heating [2]		kW	6.5	9.2	6.8
Indoor unit [3]	Colour			——		
	Fan	Airflow rate (H)	m³/min	26	35	20
			cfm	917	1,235	706
		External static pressure	Pa(mmH₂O)	98 (10)	98 (10)	98 (10)
	Sound level (H) [4]		dB(A)	39	44	39
	Dimensions (H×W×D)		mm	295×1,500×680	295×1,500×680	295×1,100×680
	Machine weight		kg	56	57	42
	Certified operation range	Cooling	°CWB	14 to 25		
		Heating	°CDB	15 to 27		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	5.5	9.0	5.5
	Refrigerant charge (R-22)		kg	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)	4.0 (Charged for 5 m)
	Sound level (Cooling/Heating) [4]		dB(A)	60/62	61/63	60/62
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,440×1,280×690	1,220×1,280×690
	Machine weight		kg	180	206	180
	Certified operation range	Cooling	°CDB	0 to 50		
		Heating	°CWB	-10 to 15		
Piping connections	Liquid (Flare)		mm	ϕ12.7	ϕ15.9	ϕ12.7
	Gas		mm	ϕ25.4 (Flange)	ϕ28.6 (Flange)	ϕ25.4 (Flange)
	Drain	Indoor unit	mm	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32	I.Dϕ25×O.Dϕ32
		Outdoor unit	mm	——	——	——
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

Note :
Models RY200KU and RY250KU are recommended for commercial facilities.
[1]Rated cooling capacities are based on the following conditions:
[1a]Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[1b]Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal)
[2]Rated heating capacities are based on the following conditions:
Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal)
[3]Values shown are for a single unit only.
[4]Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.

OPTIONS

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option		Remark	Kit name			
			Cooling only		Heat pump	
			FHC35K/50K/60K FHYC35K/50K/60K/71K	FHYC100K/125K/140K	FHYC35K/50K/60K/71K	FHYC100K/125K/140K
Decoration panel			BYC125K-W1		BYC125K-W1	
Sealing member for air discharge outlet			KDBHJ55K160		KDBHJ55K160	
Panel spacer			KDBP55H160WA		KDBP55H160WA	
Fresh air intake kit[1]	Chamber type	Without the T-joint pipe and fan	KDDP55D160		KDDP55D160	
		With the T-joint pipe,without fan	KDDP55D160K		KDDP55D160K	
	Direct installation type		KDDJ55X160		KDDJ55X160	
Chamber connection kit[2]			KKSJ55K160		KKSJ55K160	
High-efficiency filter		(Colorimetric method 65%)	KAFP556D80	KAFP556D160	KAFP556D80	KAFP556D160
		(Colorimetric method 90%)	KAFP557D80	KAFP557D160	KAFP557D80	KAFP557D160
Replacement high-efficiency filter		(Colorimetric method 65%)	KAFP552H80	KAFP552H160	KAFP552H80	KAFP552H160
		(Colorimetric method 90%)	KAFP553H80	KAFP553H160	KAFP553H80	KAFP553H160
High-efficiency filter chamber			KDDFP55D160		KDDFP55D160	
Replacement long-life filter			KAFJ551K160		KAFJ551K160	
Ultra long-life filter			KAFP55D160		KAFP55D160	
Replacement ultra long-life filter			KAFJ55K160H		KAFJ55K160H	
Branch duct chamber			KDJ55K80	KDJ55K160	KDJ55K80	KDJ55K160
Remote controller		Wired type[3]	BRC1C61		BRC1C61	
		Wireless type	BRC7C613W		BRC7C612W	
Wired LCD remote controller with weekly schedule timer			BRC1D61		BRC1D61	
Central remote controller[4]			DCS302CA61		DCS302CA61	
Unified ON/OFF controller[4]			DCS301BA61		DCS301BA61	
Schedule timer[4]			DST301BA61		DST301BA61	
intelligent Touch Controller[4]			DCS601C51		DCS601C51	
Adaptor for wiring[5]			KRP1BA57		KRP1BA57	
Wiring adaptor for electrical appendices[5]			KRP4AA53		KRP4AA53	
Interface adaptor for SkyAir series			DTA102A52		DTA102A52	
Installation box for adaptor PCB			KRP1B98		KRP1B98	

Note:
[1]Refer to page 14 for the details.
[2]Required for installing high-efficiency or ultra long-life filter.
[3]Wiring for wired remote controller to be procured locally.
[4]This optional accessory requires DTA102A52.
[5]Installation box for adaptor PCB (KRP1B98) is necessary.

CEILING SUSPENDED TYPE

Name of option	Remark	Kit name											
		Cooling only						Heat pump					
		FH(Y)35B	FH(Y)50B	FH(Y)60B	FHY71B	FHY100B	FHY125B	FHY35B	FHY50B	FHY60B	FHY71B	FHY100B	FHY125B
Replacement long-life filter	Resin net	KAFJ501D56		KAFJ501D80		KAFJ501D112	KAFJ501D160	KAFJ501D56		KAFJ501D80		KAFJ501D112	KAFJ501D160
Drain-up kit		KDU50B50VE		KDU50B71VE		KDU50B125VE		KDU50B50VE		KDU50B71VE		KDU50B125VE	
L-type piping kit (for upward direction)		KHFJ5F50	KHFJ5F60		KHFJ5F80	KHFJ5F160		KHFJ5F50	KHFJ5F60		KHFJ5F80	KHFJ5F160	
Remote controller	Wired type[1]	BRC1C61						BRC1C61					
	Wireless type	BRC7EA66						BRC7E63W					
Wired LCD remote controller with weekly schedule timer		BRC1D61						BRC1D61					
Central remote controller[2]		DCS302CA61						DCS302CA61					
Unified ON/OFF controller[2]		DCS301BA61						DCS301BA61					
Schedule timer[2]		DST301BA61						DST301BA61					
intelligent Touch Controller[2]		DCS601C51						DCS601C51					
Adaptor for wiring		KRP1BA54						KRP1BA54					
Wiring adaptor for electrical appendices[3]		KRP4AA52						KRP4AA52					
Interface adaptor for SkyAir series		DTA102A52						DTA102A52					
Installation box for adaptor PCB		KRP1CA93						KRP1CA93					

Note:
[1]Wiring for wired remote controller to be procured locally.
[2]This optional accessory requires DTA102A52.
[3]Installation box for adaptor PCB (KRP1CA93) is necessary.

CEILING SUSPENDED CASSETTE TYPE

Name of option	Remark	Kit name			
		Cooling only		Heat pump	
		FUY71FJ	FUY100FJ/125FJ	FUY71FJ	FUY100FJ/125FJ
Replacement long-life filter		KAFJ495F140		KAFJ495F140	
Sealing member for air discharge outlet[1]		KDBHJ49F80	KDBHJ49F140	KDBHJ49F80	KDBHJ49F140
Decoration panel for air discharge		KDBTJ49F80	KDBTJ49F140	KDBTJ49F80	KDBTJ49F140
Vertical flap kit		KDGJ49F80	KDGJ49F140	KDGJ49F80	KDGJ49F140
L-connection piping kit		KHFJ49F80	KHFJ49F140	KHFJ49F80	KHFJ49F140
Remote controller	Wired type[2]	BRC1C61		BRC1C61	
	Wireless type	BRC7C529W		BRC7C528W	
Wired LCD remote controller with weekly schedule timer		BRC1D61		BRC1D61	
Central remote controller[3]		DCS302CA61		DCS302CA61	
Unified ON/OFF controller[3]		DCS301BA61		DCS301BA61	
Schedule timer[3]		DST301BA61		DST301BA61	
intelligent Touch Controller[3]		DCS601C51		DCS601C51	
Wiring adaptor for electrical appendices[4]		KRP4AA53		KRP4AA53	
Interface adaptor for SkyAir series		DTA102A52		DTA102A52	
Installation box for adaptor PCB		KRP1B97		KRP1B97	

Note:
[1]Required at time of installation for setting two-way opposing air flow.
[2]Wiring for wired remote controller to be procured locally.
[3]This optional accessory requires DTA102A52.
[4]Installation box for adaptor PCB (KRP1B97) is necessary.

CEILING MOUNTED CASSETTE CORNER TYPE

Name of option	Remark	Kit name			
		Cooling only		Heat pump	
		FHK35F/45F	FHK60F/FHYK71F	FHYK35FJ/45FJ	FHYK60FJ/71FJ
Decoration panel		BYK45FJW1	BYK71FJW1	BYK45FJW1	BYK71FJW1
Panel spacer		KPBJ52F56W	KPBJ52F80W	KPBJ52F56W	KPBJ52F80W
Air discharge blind panel		KDBJ52F56W	KDBJ52F80W	KDBJ52F56W	KDBJ52F80W
Replacement long-life filter	Resin net	KAFJ521F56	KAFJ521F80	KAFJ521F56	KAFJ521F80
Discharge grille		K-HV7AW	K-HV9AW	K-HV7AW	K-HV9AW
Flexible duct with shutter		KFDJ52F56	KFDJ52F80	KFDJ52F56	KFDJ52F80
Remote controller	Wired type[1]	BRC1C61		BRC1C61	
Wired LCD remote controller with weekly schedule timer		BRC1D61		BRC1D61	
Central remote controller[2]		DCS302CA61		DCS302CA61	
Unified ON/OFF controller[2]		DCS301BA61		DCS301BA61	
Schedule timer[2]		DST301BA61		DST301BA61	
intelligent Touch Controller[2]		DCS601C51		DCS601C51	
Adaptor for wiring (interlock for fresh air intake fan)		KRP1B51		KRP1B51	
Wiring adaptor for electrical appendices		KRP4AA51		KRP4AA51	
Interface adaptor for SkyAir series		DTA102A52		DTA102A52	

Note: [1]Wiring for wired remote controller to be procured locally.
[2]This optional accessory requires DTA102A52.

CEILING MOUNTED BUILT-IN TYPE

Name of option	Remark	Kit name							
		Cooling only				Heat pump			
		FHB35F/45F	FHB60F/FHYB71F	FHYB100F	FHYB125F	FHYB35F/45F	FHYB60F/71F	FHYB100F	FHYB125F
Decoration panel		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1	
Service access panel		KTBJ25K56W	KTBJ25K80W	KTBJ25K160W		KTBJ25K56W	KTBJ25K80W	KTBJ25K160W	
High-efficiency filter	(Colorimetric method 65%)	KAFJ252L56	KAFJ252L80	KAFJ252L160		KAFJ252L56	KAFJ252L80	KAFJ252L160	
	(Colorimetric method 90%)	KAFJ253L56	KAFJ253L80	KAFJ253L160		KAFJ253L56	KAFJ253L80	KAFJ253L160	
Replacement long-life filter	Resin net	KAFJ251K56	KAFJ251K80	KAFJ251K160		KAFJ251K56	KAFJ251K80	KAFJ251K160	
Filter chamber for bottom suction		KAJ25L56D	KAJ25L80D	KAJ25L160D		KAJ25L56D	KAJ25L80D	KAJ25L160D	
Filter chamber for rear suction		KAJ25L56B	KAJ25L80B	KAJ25L160B		KAJ25L56B	KAJ25L80B	KAJ25L160B	
Canvas duct		KSA-25K56	KSA-25K80	KSA-25K160		KSA-25K56	KSA-25K80	KSA-25K160	
Discharge grille	(φ150)	K-DG4DW	K-DG5DW	K-DG4DW	K-DG5DW	K-DG4DW	K-DG5DW	K-DG4DW	K-DG5DW
	(φ200)	K-DG7DW	K-DG9DW	K-DG7DW	K-DG9DW	K-DG7DW	K-DG9DW	K-DG7DW	K-DG9DW
Discharge chamber	(φ150)	K-DGC4D	K-DGC5D	K-DGC4D	K-DGC5D	K-DGC4D	K-DGC5D	K-DGC4D	K-DGC5D
	(φ200)	K-DGC7D	K-DGC9D	K-DGC7D	K-DGC9D	K-DGC7D	K-DGC9D	K-DGC7D	K-DGC9D
Branch duct	φ200 → φ150	K-DDV20A				K-DDV20A			
Flexible duct	(φ150)	K-FDS151D (1 m) K-FDS154D (4 m)	K-FDS152D (2 m) K-FDS155D (5 m)	K-FDS153D (3 m) K-FDS156D (6 m)		K-FDS151D (1 m) K-FDS154D (4 m)	K-FDS152D (2 m) K-FDS155D (5 m)	K-FDS153D (3 m) K-FDS156D (6 m)	
	(φ200)	K-FDS201D (1 m) K-FDS204D (4 m)	K-FDS202D (2 m) K-FDS205D (5 m)	K-FDS203D (3 m) K-FDS206D (6 m)		K-FDS201D (1 m) K-FDS204D (4 m)	K-FDS202D (2 m) K-FDS205D (5 m)	K-FDS203D (3 m) K-FDS206D (6 m)	
Blind board		KBBJ25K56	KBBJ25K80	KBBJ25K160		KBBJ25K56	KBBJ25K80	KBBJ25K160	
Adaptor for discharge		KDAJ25K56	KDAJ25K71	KDAJ25K140		KDAJ25K56	KDAJ25K71	KDAJ25K140	
Flange for suction		KDJ2507K56	KDJ2507K80	KDJ2507K160		KDJ2507K56	KDJ2507K80	KDJ2507K160	
Remote controller	Wired type[1]	BRC1C61				BRC1C61			
Wired LCD remote controller with weekly schedule timer		BRC1D61				BRC1D61			
Central remote controller[2]		DCS302CA61				DCS302CA61			
Unified ON/OFF controller[2]		DCS301BA61				DCS301BA61			
Schedule timer[2]		DST301BA61				DST301BA61			
intelligent Touch Controller[2]		DCS601C51				DCS601C51			
Adaptor for wiring (interlock for fresh air intake fan)		KRP1BA54				KRP1BA54			
Wiring adaptor for electrical appendices[3]		KRP4AA51				KRP4AA51			
Interface adaptor for SkyAir series		DTA102A52				DTA102A52			

Note: [1]Wiring for wired remote controller to be procured locally. [2]This optional accessory requires DTA102A52.
[3]Installation box for adaptor PCB (KRP1B97) is necessary.

WALL MOUNTED TYPE

Name of option	Remark	Kit name			
		Cooling only		Heat pump	
		FAY71L	FAY100FA	FAY71L	FAY100FA
Drain-up kit		K-KDU572CVE	————	K-KDU572CVE	————
Remote controller	Wired type[1]	BRC1C61		BRC1C61	
	Wireless type	BRC7E619	BRC7C611W	BRC7EA618	BRC7C610W
Wired LCD remote controller with weekly schedule timer		BRC1D61		BRC1D61	
Central remote controller		DCS302CA61	DCS302CA61 [2]	DCS302CA61	DCS302CA61 [2]
Unified ON/OFF controller		DCS301BA61	DCS301BA61 [2]	DCS301BA61	DCS301BA61 [2]
Schedule timer		DST301BA61	DST301BA61 [2]	DST301BA61	DST301BA61 [2]
intelligent Touch Controller		DCS601C51	DCS601C51 [2]	DCS601C51	DCS601C51 [2]
Wiring adaptor for electrical appendices (2)		KRP4AA51 [3]	KRP4AA51	KRP4AA51 [3]	
Interface adaptor for SkyAir series[3]		————	DTA102A52	————	DTA102A52
Installation box for adaptor PCB		KRP4AA93	————	KRP4AA93	————

[1]Wiring for wired remote controller to be procured locally. [2]This optional accessory requires DTA102A52.
[3]Installation box for adaptor PCB (KRP4AA93) is necessary.

FLOOR STANDING TYPE

Name of option	Remark	Kit name	
		Cooling only	Heat pump
		FVY71LA/100LA/125LA	FVY71LA/100LA/125LA
Replacement long-life filter		KAFJ95L160	KAFJ95L160
Wired LCD remote controller with weekly schedule timer		BRC1D61	BRC1D61
Central remote controller[1]		DCS302CA61	DCS302CA61
Unified ON/OFF controller[1]		DCS301BA61	DCS301BA61
Schedule timer[1]		DST301BA61	DST301BA61
intelligent Touch Controller[2]		DCS601C51	DCS601C51
Remote controller for 2 remote control system		BRC1C61	BRC1C61
Adaptor for wiring[2]		KRP1BA57	KRP1BA57
Group control adaptor[2]		KRP4AA52	KRP4AA52
Interface adaptor for SkyAir series		DTA102A52	DTA102A52
Installation box for adaptor PCB		KRP4A95	KRP4A95

Note: [1]This optional accessory requires DTA102A52.
[2]Installation box for adaptor PCB (KRP4A95) is necessary.

OPTIONS

Indoor unit

DUCT CONNECTION TYPE

Name of option	Remark	Low static pressure type				Middle static pressure type			High static pressure type		
		Cooling only		Heat pump		Cooling only		Heat pump	Cooling only		Heat pump
		FDBG25A/35A/50A	FDBG60A/71A	FDYB35KA/50KA	FDYB60KA/71KA	FDMG71A/100A/125A/140A/180A	FDYM03FA/04FA/05FA/06FA	FDYM03FA/04FA/05FA/06FA	FD03K/04K/05K/06K/08K/10K	FD15K/20K	FDY06KA/08KA/10KA/15KA/20KA
Wired LCD remote controller with weekly schedule timer		——		BRC1D61		——	BRC1D61	BRC1D61	——		BRC1D61
Remote controller		KRC47-1A		——		KRC47-1A	——	——	KRC47-3A	KRC47-3A/ KRC17-2B [5]	——
Wired LCD remote controller		——		BRC1C61		——	BRC1C61	BRC1C61	——		BRC1C61
Digital remote controller		KRC47-2A		——		KRC47-2A	——	——	KRC47-5		——
Digital remote controller for duct heater use		KRC47-4A		——		KRC47-4A	——	——	——		——
Wireless remote controller		——		BRC4C62		——	BRC4C64	BRC4C62	——		BRC4C62
Central remote controller		——		DCS302CA61[1]		——	DCS302CA61[1]	DCS302CA61[1]	DCS302CA61[2]		DCS302CA61[1]
Unified ON/OFF controller		——		DCS301BA61[1]		——	DCS301BA61[1]	DCS301BA61[1]	DCS301BA61[2]		DCS301BA61[1]
Schedule timer		——		DST301BA61[1]		——	DST301BA61[1]	DST301BA61[1]	DST301BA61[2]		DST301BA61[1]
intelligent Touch Controller		——		DCS601C51[1]		——	DCS601C51[1]	DCS601C51[1]	DCS601C51[2]		DCS601C51[1]
Remote sensor (for indoor temperature)		——		——		——	——	——	KRCS01-1B		——
Central control adaptor kit		——		——		——	——	——	DTA107A55		——
Adaptor for wiring		——		KRP1BA54		——	——	——	——		KRP1BA57[3]
Wiring adaptor for electrical appendices		——		KRP4AA52 [3]		——	KRP4AA51[4]	KRP4AA51[4]	——		KRP4AA53[3]
Switch box for adaptor kit		——		KRP1B100		——	——	——	——		——
Interface adaptor for SkyAir series		——		DTA102A52		——	DTA102A52	DTA102A52	——		DTA102A52
Installation box for adaptor PCB		——		——		——	——	——	——		KRP1B100
Suction grille		KDGF19A45	KDGF19A71	KDGF19A45	KDGF19A71	——	——	——	——		——
Drain pan cover		KKD19A1		KKD19A1		——	——	——	——		——

Note:
[1]This optional accessory requires DTA102A52.
[2]This optional accessory requires DTA107A55.
[3]This optional accessory requires KRP1B100.
[4]Installation plate for adaptor PCB (KRP4A95) is necessary.
[5]In case of using KRC17-2B or field supplied remote controller, 3-Minutes Timer (field supplied) is required.

intelligent touch Controller

New communication functions in the user-friendly icon based multilingual controller simplity centralised control of the system

Powerful Functions

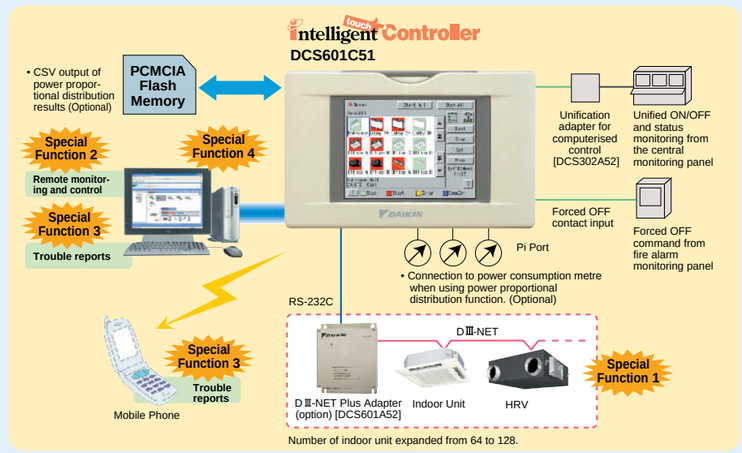
- Special Function 1 **Doubling of number of connectable indoor unit by adding a DIII-NET PLUS adapter** (Optional)
- Special Function 2 **Support for centralised control from else where., using a PC with a Web browser** (Optional)
- Special Function 3 **Sending of e-mail alerts to a specified address when malfunctions occur** (Optional)
- Special Function 4 **Built-in Ethernet port for connecting to the Internet or an intranet**
- Special Function 5 **Simple interlock function**
- **Yearly schedule**
- **Power proportional distribution* (option)**
- **Auto cool/heat change-over**
- **Temperature Limitation**

Cost Performance

- **Labor saving**
- **Overall energy savings**
- **Simplified BMS**

Simple Operation

- **Colour LCD**
- **Touch panel**
- **Icon display**
- **Multilingual (English, French, German, Spanish, Italian, or Chinese)**



Number of indoor unit expanded from 64 to 128.

* Limitations apply to some models and functions.
For details please contact your local sales office.

Necessary for optional interface adaptor for SkyAir series (DTA112BA51) with the intelligent Touch Controller.

Outdoor unit

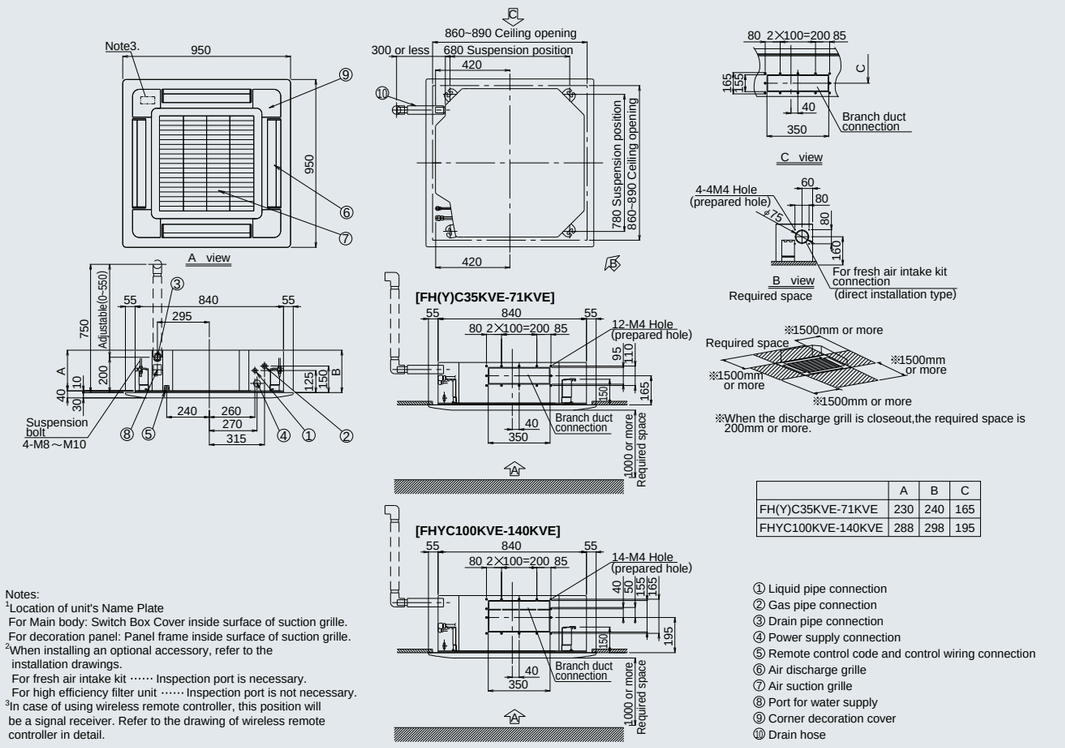
Name of option	Remark	Kit name									
		Cooling only							Heat pump			
		R25J R35J	R35G R50G R60G	R71FU R100FU R125FU	RG71A RG140A RG180A	R71LU	R100LU R125LU	R140LU	RY35F RY50G(A) R60G(A)	RY71LU	RY100LU RY125LU	RY140LU
Drain piping kit		——	KIS95	——					KIS95	——		
Central drain plug		——	KKPJ5F180						——	KKPJ5F180		
Air direction adjustment grille		KPW937A4	——						——			
Drain plug		KKP937A4 [1]	——						——			
Refrigerant branch piping	For twin multi	——				KHR58C21	KHD58C21A		——	KHR58C21	KHD58C21A	
	For triple multi	——						KHD58D33	——			KHD58D33
Year-round cooling kit		——				KRK5F80V1	KRK5F140V1	KRK5F160V1	——			

Note: [1]One set includes 5 pieces for 5units.

Name of option	Remark	Kit name			
		Cooling only		Heat pump	
		R200KU	R250KU	RY200KU	RY250KU
Refrigerant branch piping	For twin multi	KHD58C23A	KHD58C24A	KHD58C23A	KHD58C24A
	For triple multi	KHR58P322H	——	KHR58P322H	——
	For double twin multi	KHRJ5F224F	KHRJ5F280F	KHRJ5F224F	KHRJ5F280F

DIMENSIONS (Unit: mm)

CEILING MOUNTED CASSETTE TYPE



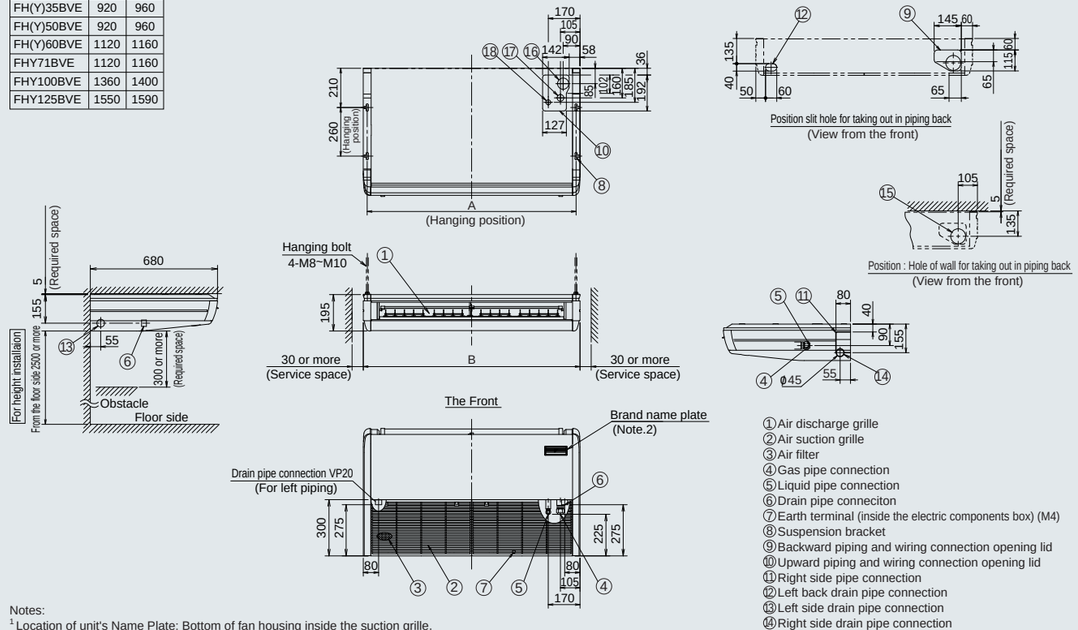
	A	B	C
FH(Y)C35KVE-71KVE	230	240	165
FHYC100KVE-140KVE	288	298	195

Notes:
[1]Location of unit's Name Plate
For Main body: Switch Box Cover inside surface of suction grille.
For decoration panel: Panel frame inside surface of suction grille.
[2]When installing an optional accessory, refer to the installation drawings.
For fresh air intake kit …… Inspection port is necessary.
For high efficiency filter unit …… Inspection port is not necessary.
[3]In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Power supply connection
⑤ Remote control code and control wiring connection
⑥ Air discharge grille
⑦ Air suction grille
⑧ Port for water supply
⑨ Corner decoration cover
⑩ Drain hose

CEILING SUSPENDED TYPE

	A	B
FH(Y)35BVE	920	960
FH(Y)50BVE	920	960
FH(Y)60BVE	1120	1160
FHY71BVE	1120	1160
FHY100BVE	1360	1400
FHY125BVE	1550	1590

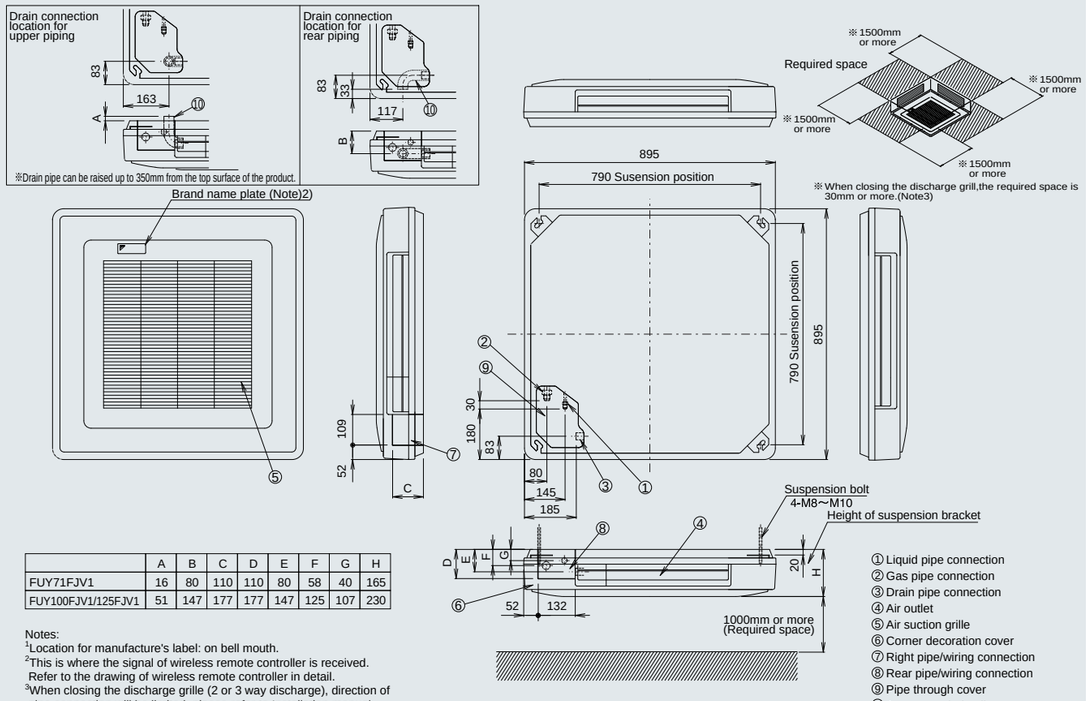


Notes:
[1] Location of unit's Name Plate: Bottom of fan housing inside the suction grille.
[2] In case of using wireless remote controller, this position will be a signal
[3] The remote control code is the standard <about 3 m outside the machine> attached.
(0.5 mm² × 2 wicks × O.D.ϕ 5.4)
(It is attached to VRV.)

①Air discharge grille
②Air suction grille
③Air filter
④Gas pipe connection
⑤Liquid pipe connection
⑥Drain pipe conneciton
⑦Earth terminal (inside the electric components box) (M4)
⑧Suspension bracket
⑨Backward piping and wiring connection opening lid
⑩Upward piping and wiring connection opening lid
⑪Right side pipe connection
⑫Left back drain pipe connection
⑬Left side drain pipe connection
⑭Right side drain pipe connection
⑮Hole of wall for taking out in piping back
⑯Upward drain pipe connection
⑰Upward gas pipe connection
⑱Upward liquid pipe connection

DIMENSIONS (Unit: mm)

CEILING SUSPENDED CASSETTE TYPE

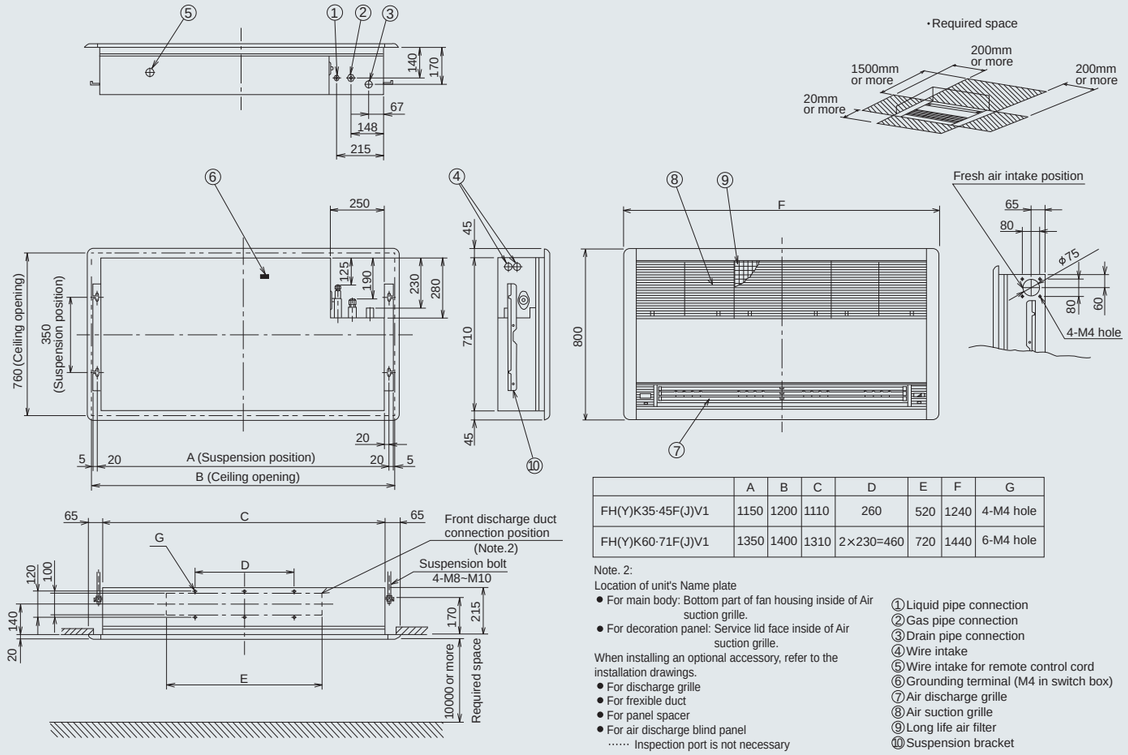

Drain connection location for upper piping
Drain connection location for rear piping
※Drain pipe can be raised up to 350mm from the top surface of the product.
※1500mm or more
Required space
※When closing the discharge grill,the required space is 30mm or more.(Note3)
Brand name plate (Note)2
790 Susension position
895
Suspension bolt
4-M8～M10
Height of suspension bracket
1000mm or more (Required space)

	A	B	C	D	E	F	G	H
FUY71FJV1	16	80	110	110	80	58	40	165
FUY100FJV1/125FJV1	51	147	177	177	147	125	107	230

Notes:
[1]Location for manufacture's label: on bell mouth.
[2]This is where the signal of wireless remote controller is received. Refer to the drawing of wireless remote controller in detail.
[3]When closing the discharge grille (2 or 3 way discharge), direction of pipe connection will be limited, please refer to Installation manual.

① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Air outlet
⑤ Air suction grille
⑥ Corner decoration cover
⑦ Right pipe/wiring connection
⑧ Rear pipe/wiring connection
⑨ Pipe through cover
⑩ Accessory drain elbow

CEILING MOUNTED CASSETTE CORNER TYPE



	A	B	C	D	E	F	G
FH(Y)K35·45F(J)V1	1150	1200	1110	260	520	1240	4-M4 hole
FH(Y)K60·71F(J)V1	1350	1400	1310	2×230=460	720	1440	6-M4 hole

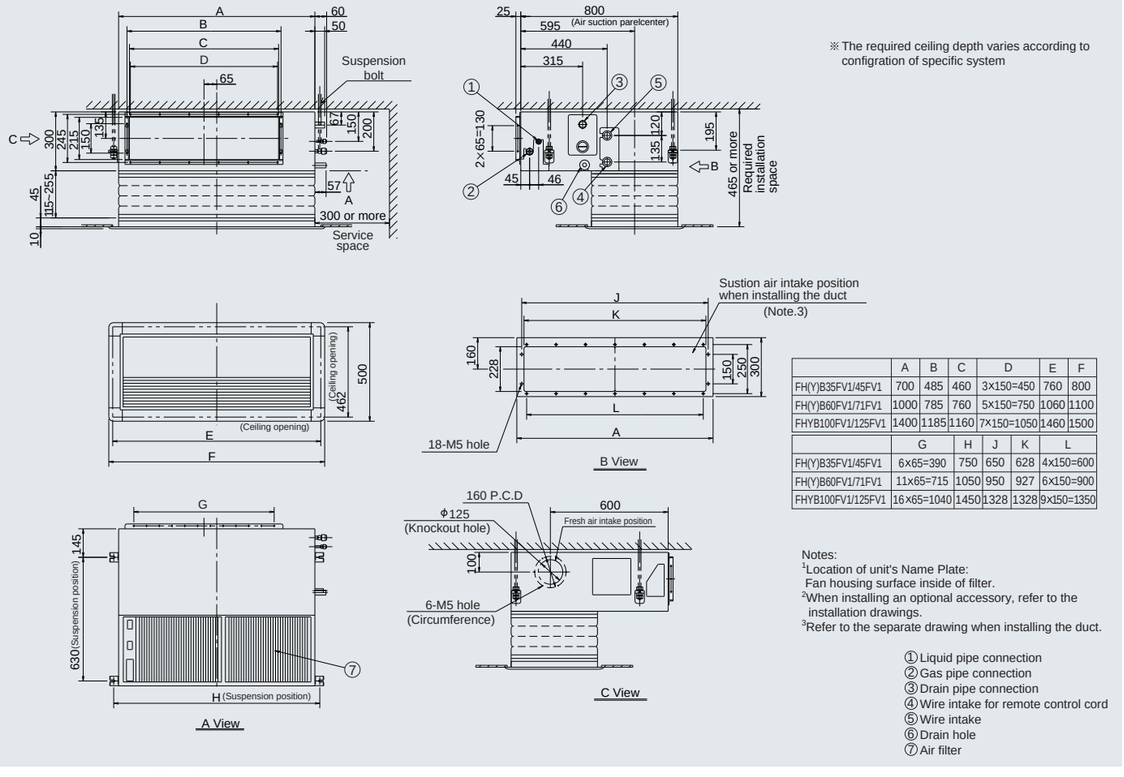
Note. 2:
Location of unit's Name plate
- For main body: Bottom part of fan housing inside of Air suction grille.
- For decoration panel: Service lid face inside of Air suction grille.

When installing an optional accessory, refer to the installation drawings.
- For discharge grille
- For frexible duct
- For panel spacer
- For air discharge blind panel

····· Inspection port is not necessary

①Liquid pipe connection
②Gas pipe connection
③Drain pipe connection
④Wire intake
⑤Wire intake for remote control cord
⑥Grounding terminal (M4 in switch box)
⑦Air discharge grille
⑧Air suction grille
⑨Long life air filter
⑩Suspension bracket

CEILING MOUNTED BUILT-IN TYPE



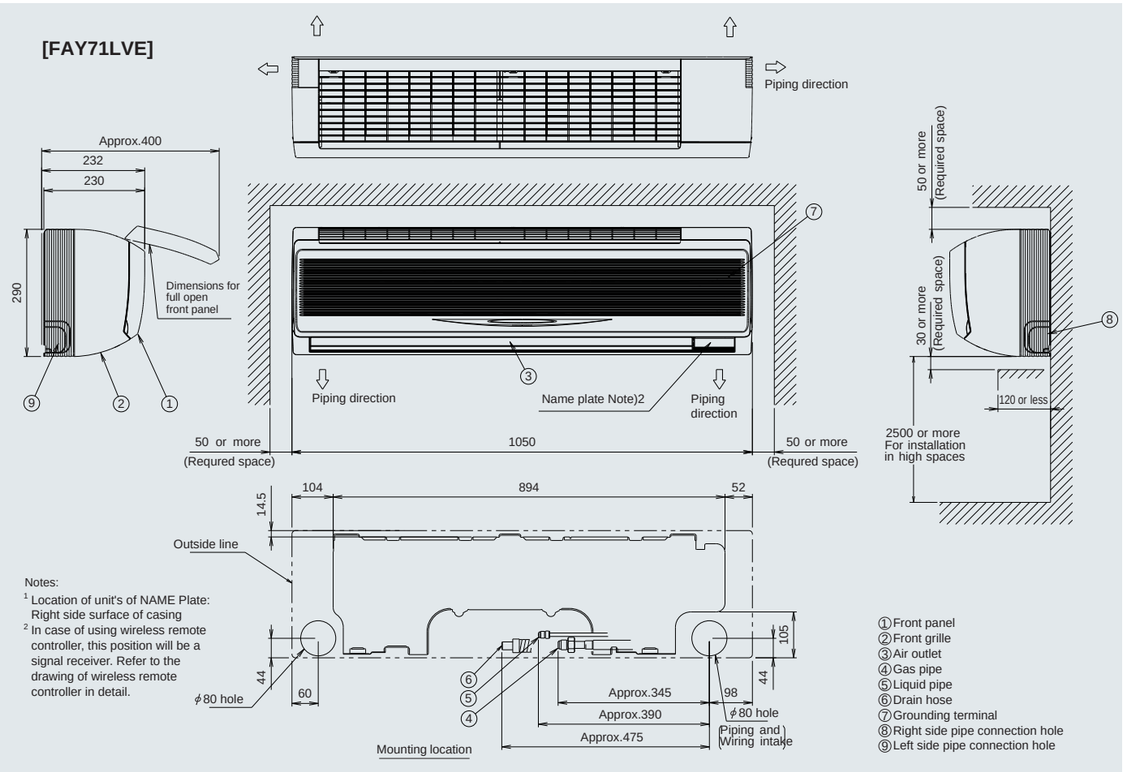
	A	B	C	D	E	F
FH(Y)B35FV1/45FV1	700	485	460	3×150=450	760	800
FH(Y)B60FV1/71FV1	1000	785	760	5×150=750	1060	1100
FHYB100FV1/125FV1	1400	1185	1160	7×150=1050	1460	1500

	G	H	J	K	L
FH(Y)B35FV1/45FV1	6×65=390	750	650	628	4×150=600
FH(Y)B60FV1/71FV1	11×65=715	1050	950	927	6×150=900
FHYB100FV1/125FV1	16×65=1040	1450	1328	1328	9×150=1350

Notes:
[1]Location of unit's Name Plate:
Fan housing surface inside of filter.
[2]When installing an optional accessory, refer to the installation drawings.
[3]Refer to the separate drawing when installing the duct.

①Liquid pipe connection
②Gas pipe connection
③Drain pipe connection
④Wire intake for remote control cord
⑤Wire intake
⑥Drain hole
⑦Air filter

WALL MOUNTED TYPE

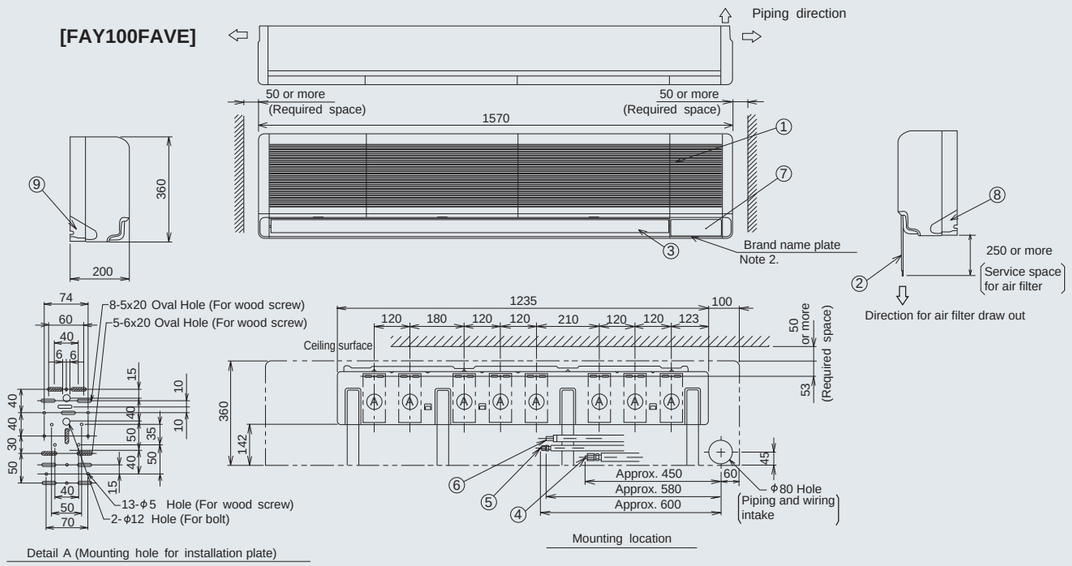


Notes:
[1] Location of unit's of NAME Plate: Right side surface of casing
[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

①Front panel
②Front grille
③Air outlet
④Gas pipe
⑤Liquid pipe
⑥Drain hose
⑦Grounding terminal
⑧Right side pipe connection hole
⑨Left side pipe connection hole

DIMENSIONS (Unit: mm)

WALL MOUNTED TYPE

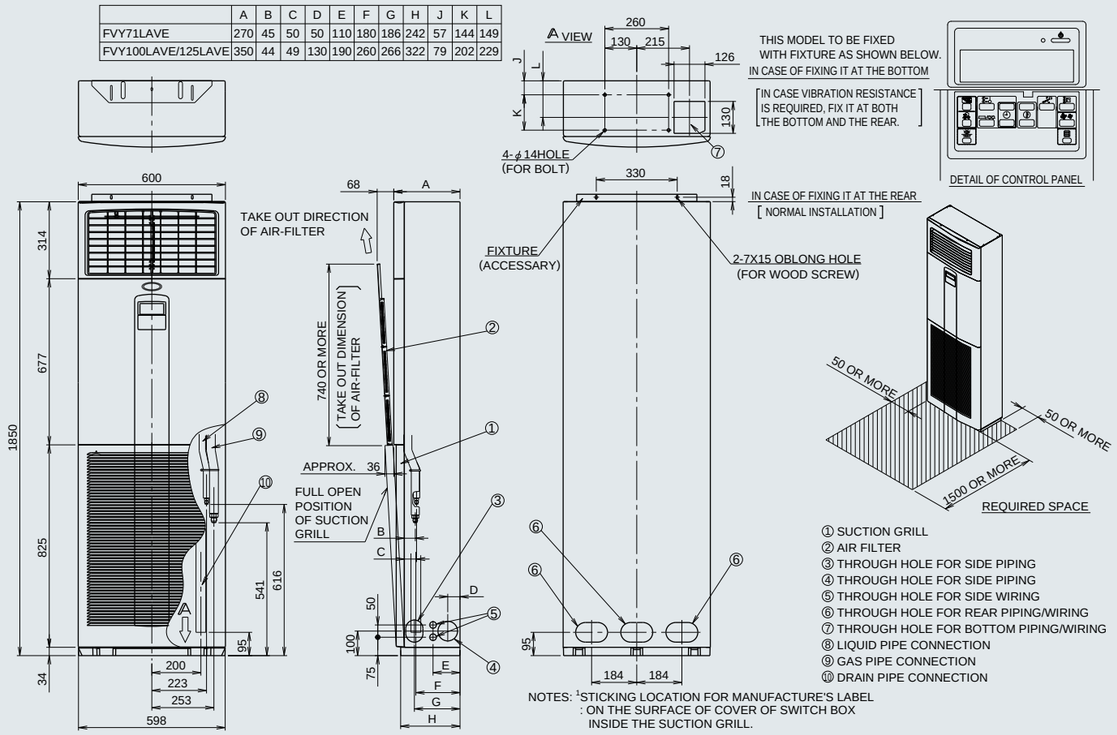


Notes:
[1] Location of general rated name plate Right side plate outside surface
[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

①Front grille
②Air filter
③Discharge outlet
④Gas piping connection
⑤Gas piping connection
⑥Drain piping connection
⑦Earth terminal (M4) (inside cover)
⑧Slit hole for right side piping connection
⑨Slit hole for left side piping connection

FLOOR STANDING TYPE

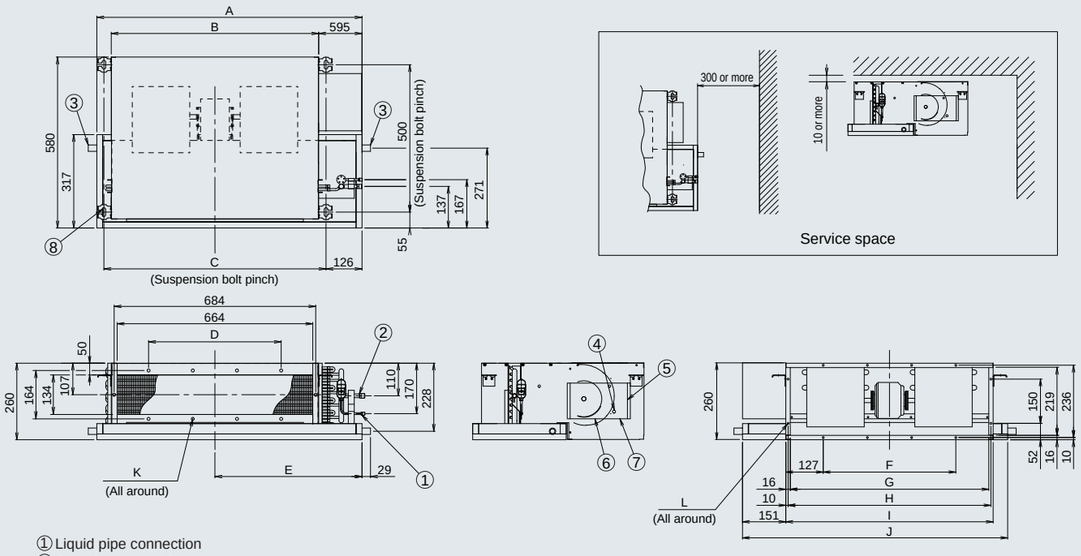
	A	B	C	D	E	F	G	H	J	K	L
FVY71LAVE	270	45	50	50	110	180	186	242	57	144	149
FVY100LAVE/125LAVE	350	44	49	130	190	260	266	322	79	202	229



① SUCTION GRILL
② AIR FILTER
③ THROUGH HOLE FOR SIDE PIPING
④ THROUGH HOLE FOR SIDE PIPING
⑤ THROUGH HOLE FOR SIDE WIRING
⑥ THROUGH HOLE FOR REAR PIPING/WIRING
⑦ THROUGH HOLE FOR BOTTOM PIPING/WIRING
⑧ LIQUID PIPE CONNECTION
⑨ GAS PIPE CONNECTION
⑩ DRAIN PIPE CONNECTION

NOTES: [1]STICKING LOCATION FOR MANUFACTURE'S LABEL
: ON THE SURFACE OF COVER OF SWITCH BOX
INSIDE THE SUCTION GRILL.

DUCT CONNECTION LOW STATIC PRESSURE TYPE

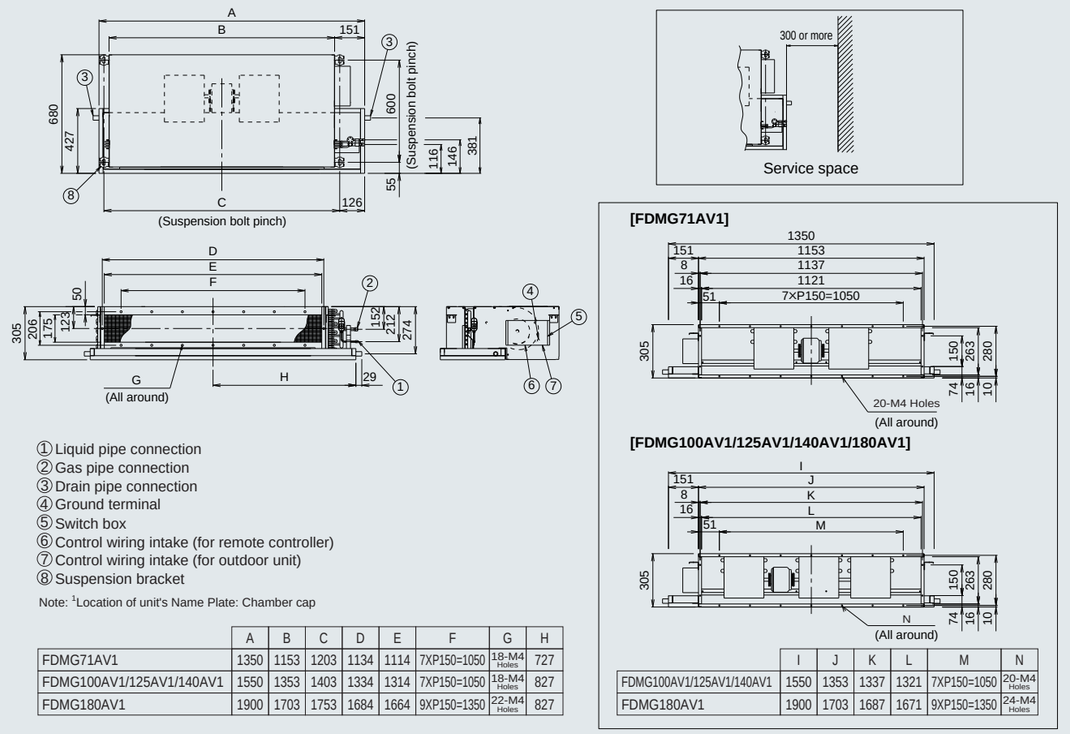


①Liquid pipe connection
②Gas pipe connection
③Drain pipe connection
④Ground terminal
⑤Switch box
⑥Control wiring intake (for outdoor unit)
⑦Control wiring intake (for remote controller)
⑧Suspension bracket

Note: [1]Location of unit's Name Plate: Chamber cap

	A	B	C	D	E	F	G	H	I	J	K	L
FDBG25AVE/35AVE/50AVE	900	704	755	3XP150=450	500	3XP150=450	674	688	704	900	10-M4 Holes	12-M4 Holes
FDYB25KVE/35KAVE/50KAVE	900	704	755	3XP150=450	500	3XP150=450	674	688	704	900	10-M4 Holes	12-M4 Holes
FDBG60AVE/71AVE	1300	1104	1155	6XP150=900	700	6XP150=900	1074	1088	1104	1300	16-M4 Holes	18-M4 Holes
FDYB60KAVE/71KAVE	1300	1104	1155	6XP150=900	700	6XP150=900	1074	1088	1104	1300	16-M4 Holes	18-M4 Holes

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



①Liquid pipe connection
②Gas pipe connection
③Drain pipe connection
④Ground terminal
⑤Switch box
⑥Control wiring intake (for remote controller)
⑦Control wiring intake (for outdoor unit)
⑧Suspension bracket

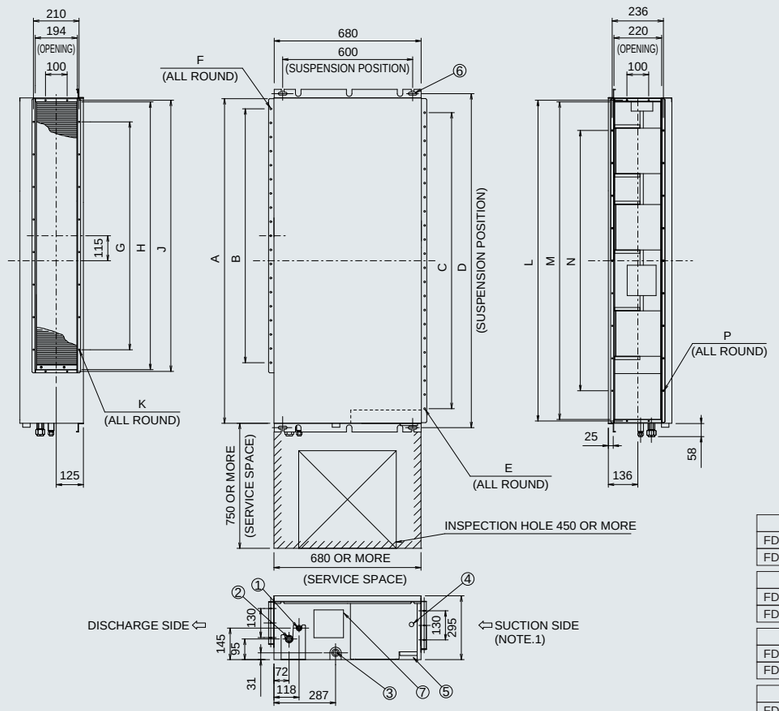
Note: [1]Location of unit's Name Plate: Chamber cap

	A	B	C	D	E	F	G	H
FDMG71AV1	1350	1153	1203	1134	1114	7XP150=1050	18-M4 Holes	727
FDMG100AV1/125AV1/140AV1	1550	1353	1403	1334	1314	7XP150=1050	18-M4 Holes	827
FDMG180AV1	1900	1703	1753	1684	1664	9XP150=1350	22-M4 Holes	827

	I	J	K	L	M	N
FDMG100AV1/125AV1/140AV1	1550	1353	1337	1321	7XP150=1050	20-M4 Holes
FDMG180AV1	1900	1703	1687	1671	9XP150=1350	24-M4 Holes

DIMENSIONS (Unit: mm)

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



① LIQUID PIPE CONNECTION
[ϕ9.5(FLARE CONNECTION)]
② GAS PIPE CONNECTION
[03F: ϕ15.9(FLARE CONNECTION)]
[04~06F: ϕ19.1(FLARE CONNECTION)]
③ DRAIN PIPE CONNECTION[VP25]
④ EARTH TERMINAL
(INSIDE SWITCH BOX)
⑤ POWER SUPPLY
⑥ SUSPENSION BRACKET
[FOR M10 or M8 BOLT]
⑦ MANUFACTURER'S LABEL

NOTES:
[1]MOUNT THE AIR FILTER AT THE SUCTION SIDE.
(SELECT ITS COLORIMETHOD (GRAVITY METHOD) 50% OR MORE.)

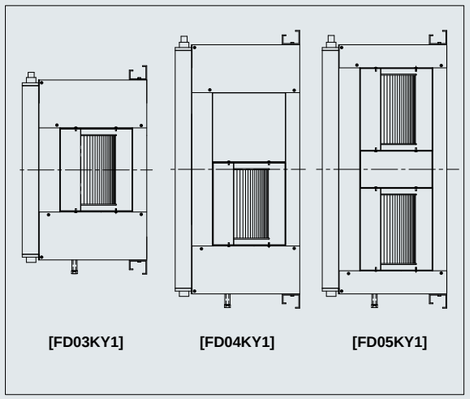
	A	B	C	D
FDYM03FA	1100	11xP65=715	15xP65=975	1140
FDYM04FA-06FA	1500	18xP65=1170	21xP65=1365	1540

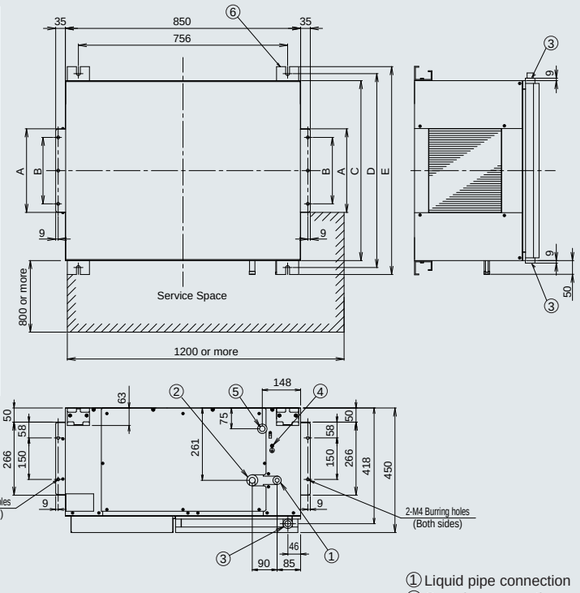
	E	F	G
FDYM03FA	38-ϕ4.7 HOLE	30-ϕ4.7 HOLE	4xP150=600
FDYM04FA-06FA	50-ϕ4.7 HOLE	44-ϕ4.7 HOLE	7xP150=1050

	H	J	K	L	M
FDYM03FA	834	850	14-ϕ7 HOLE	1079	1064
FDYM04FA-06FA	1234	1250	20-ϕ7 HOLE	1479	1464

	N	P
FDYM03FA	5xP150=750	16-ϕ7 HOLE
FDYM04FA-06FA	8xP150=1200	22-ϕ7 HOLE

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

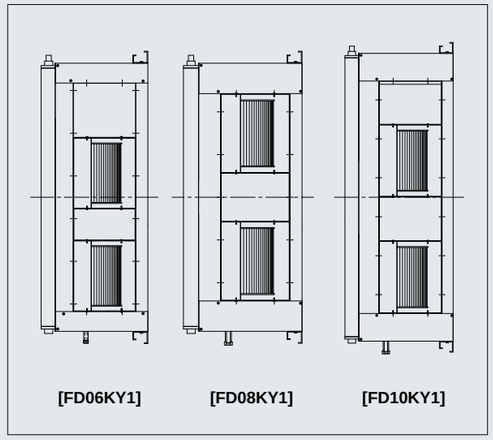


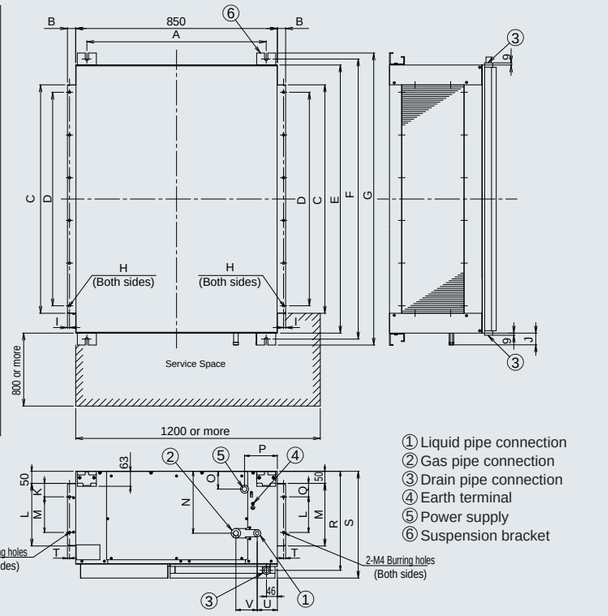


① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Earth terminal
⑤ Power supply
⑥ Suspension bracket

	A	B	C	D	E
FD03KY1	302	2XP120=240	650	700	750
FD04KY1	552	3XP150=450	900	950	1000
FD05KY1	735	4XP150=600	900	950	1000

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

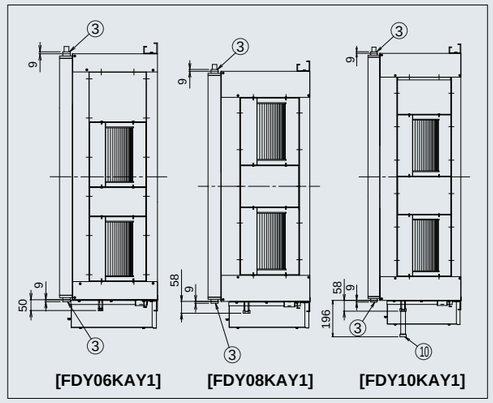


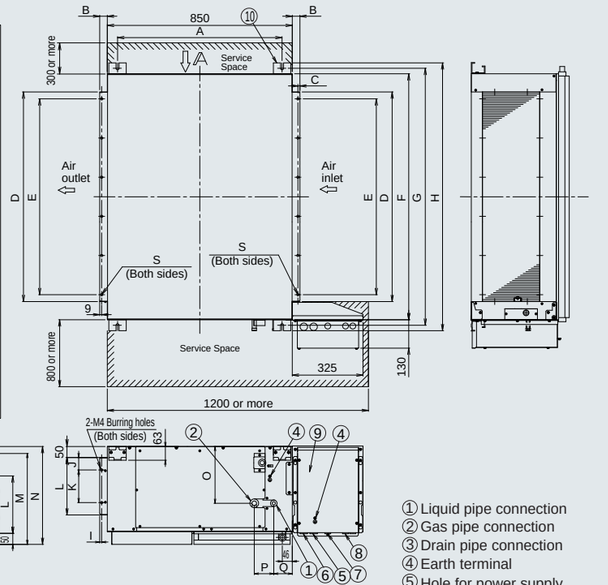


① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Earth terminal
⑤ Power supply
⑥ Suspension bracket

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
FD06KY1	756	35	967	5XP.180=900	1130	1180	1230	6-M4 Burring holes	9	50	58	266	150	261	75	148	58	418	450	9	90	85
FD08KY1	732	39	876	4XP.180=720	1130	1180	1230	5-M4 Burring holes	10	58	67	294	160	311	100	155	67	468	500	10	79	47
FD10KY1	732	39	1076	5XP.180=900	1330	1380	1430	6-M4 Burring holes	10	58	67	294	160	311	100	155	67	468	500	10	79	47

DUCT CONNECTION HIGH STATIC PRESSURE TYPE





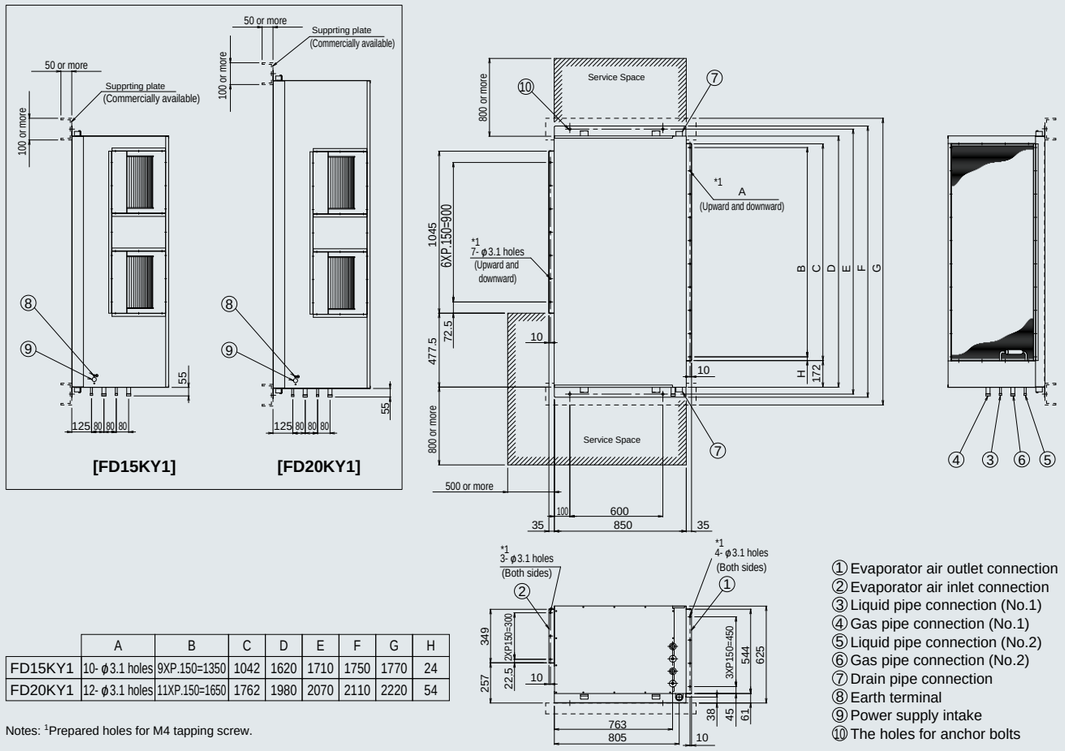
① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Earth terminal
⑤ Hole for power supply
⑥ Hole for motor wiring
⑦ Hole for wiring from outdoor unit
⑧ Hole for remote controller wiring
⑨ Control box
⑩ Auxiliary pipe
⑪ Suspension bracket

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
FDY06KAY1	756	35	9	967	5XP180=900	1130	1180	1230	9	58	150	266	418	450	261	90	85
FDY08KAY1	732	39	10	876	4XP180=720	1130	1180	1230	10	67	160	294	468	500	311	79	47
FDY10KAY1	732	39	10	1076	5XP180=900	1330	1380	1430	10	67	160	294	468	500	311	79	47

Note: [1]Location of unit's Name Plate: Lid of control box.

DIMENSIONS (Unit: mm)

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

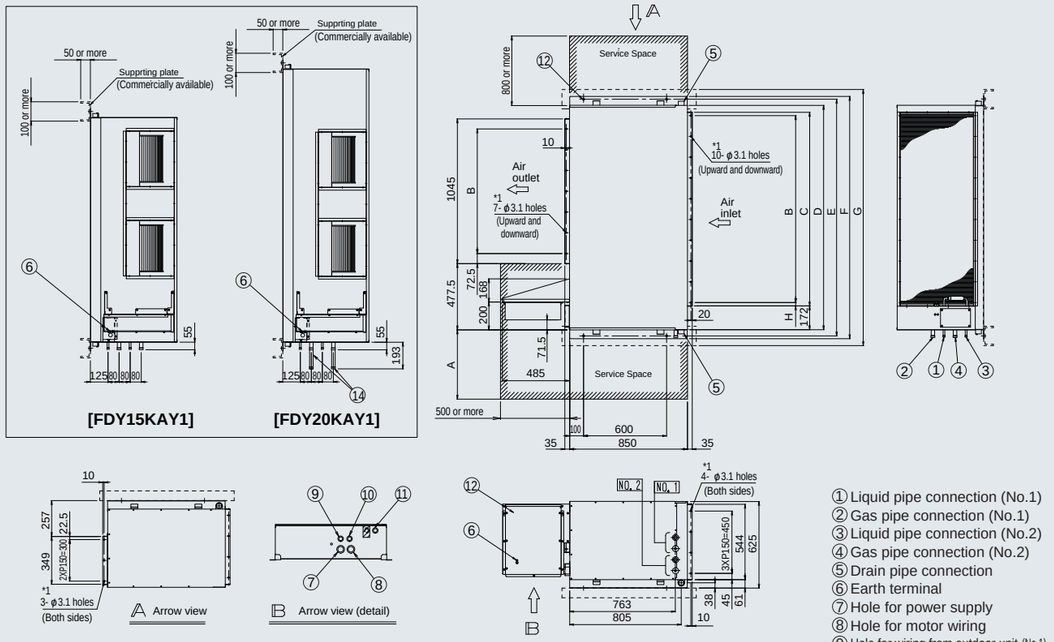


	A	B	C	D	E	F	G	H
FD15KY1	10- φ3.1 holes	9XP.150=1350	1042	1620	1710	1750	1770	24
FD20KY1	12- φ3.1 holes	11XP.150=1650	1762	1980	2070	2110	2220	54

Notes: [1]Prepared holes for M4 tapping screw.

① Evaporator air outlet connection
② Evaporator air inlet connection
③ Liquid pipe connection (No.1)
④ Gas pipe connection (No.1)
⑤ Liquid pipe connection (No.2)
⑥ Gas pipe connection (No.2)
⑦ Drain pipe connection
⑧ Earth terminal
⑨ Power supply intake
⑩ The holes for anchor bolts

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

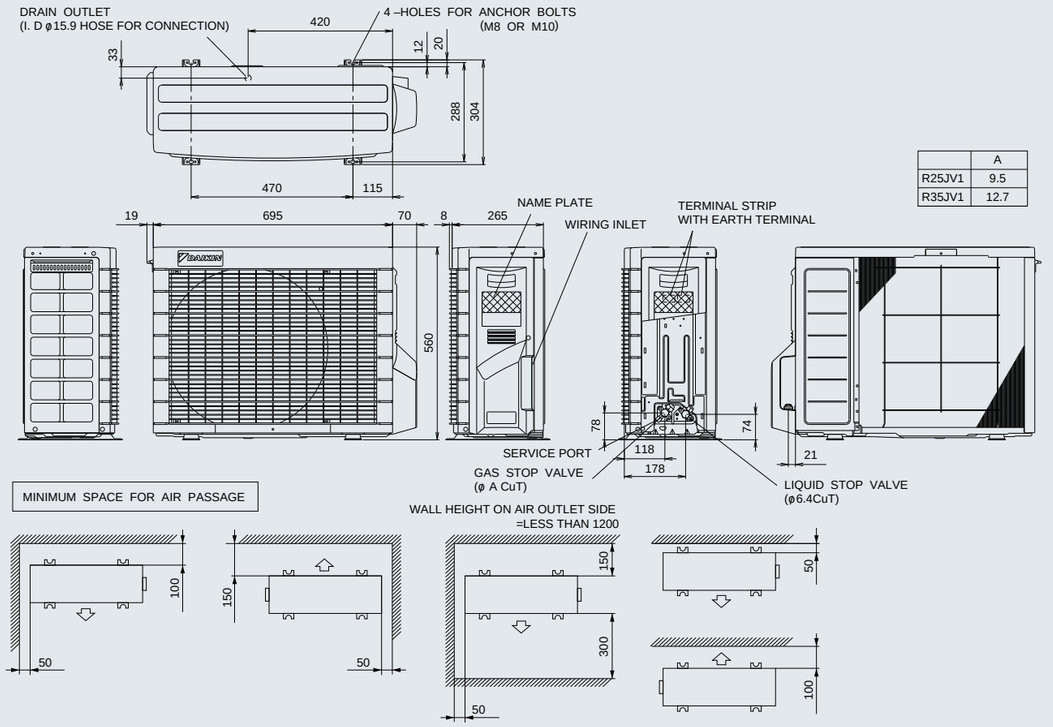


	A	B	C	D	E	F	G	H
FDY15KAY1	500	9XP150=1350	1042	1620	1710	1750	1770	24
FDY20KAY1	800 or more	11XP150=1650	1762	1980	2070	2110	2220	54

Notes: [1]Prepared holes for M4 tapping screw.

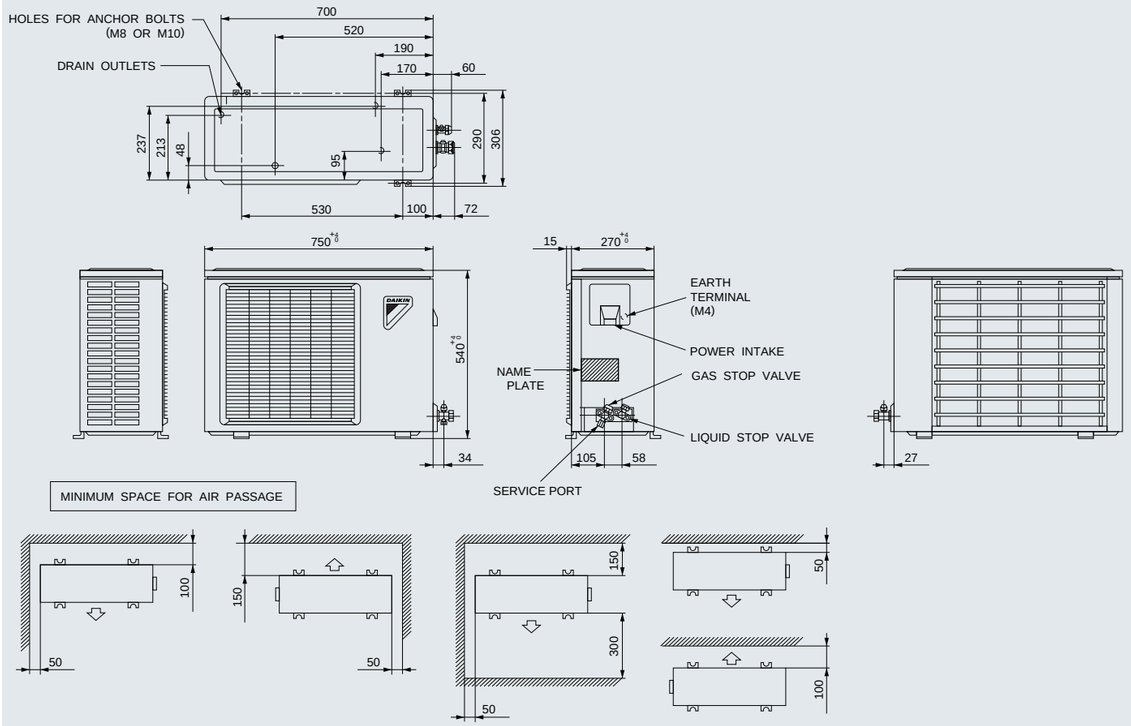
① Liquid pipe connection (No.1)
② Gas pipe connection (No.1)
③ Liquid pipe connection (No.2)
④ Gas pipe connection (No.2)
⑤ Drain pipe connection
⑥ Earth terminal
⑦ Hole for power supply
⑧ Hole for motor wiring
⑨ Hole for wiring from outdoor unit (No.1)
⑩ Hole for wiring from outdoor unit (No.2)
⑪ Hole for remote controller wiring
⑫ Control box
⑬ The holes for anchor bolts

OUTDOOR UNIT // R25JV1, R35JV1



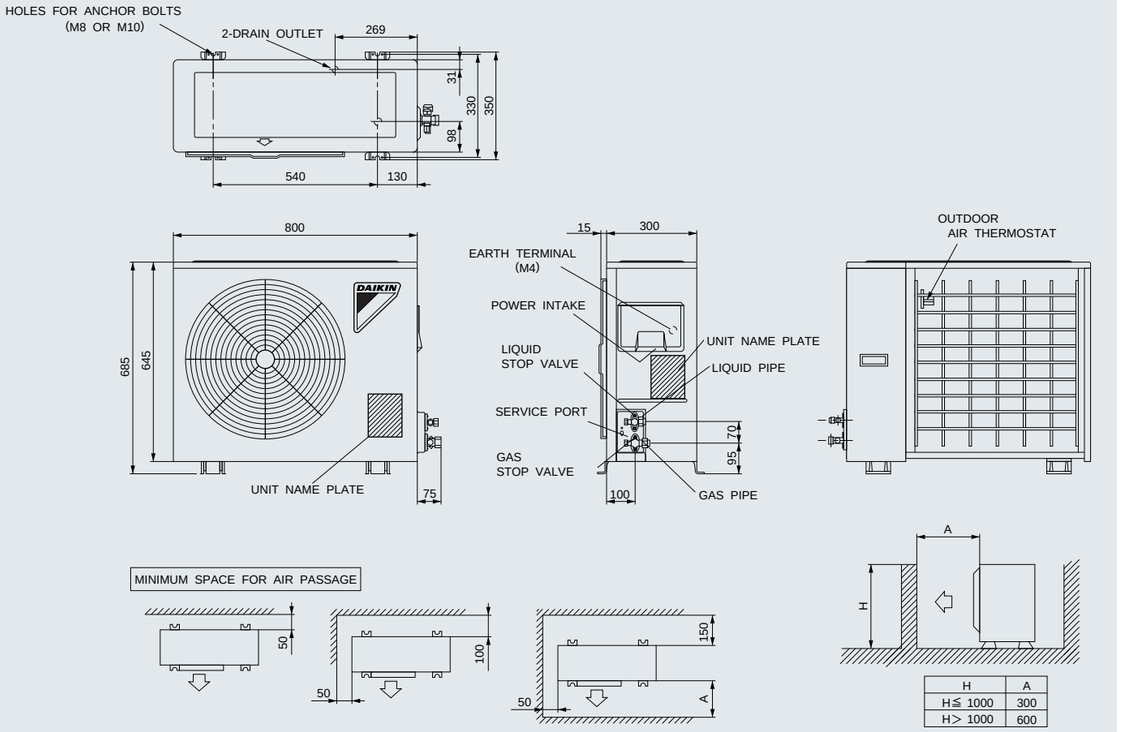
	A
R25JV1	9.5
R35JV1	12.7

OUTDOOR UNIT // R35GV1, RY35FV1A, R50GV1

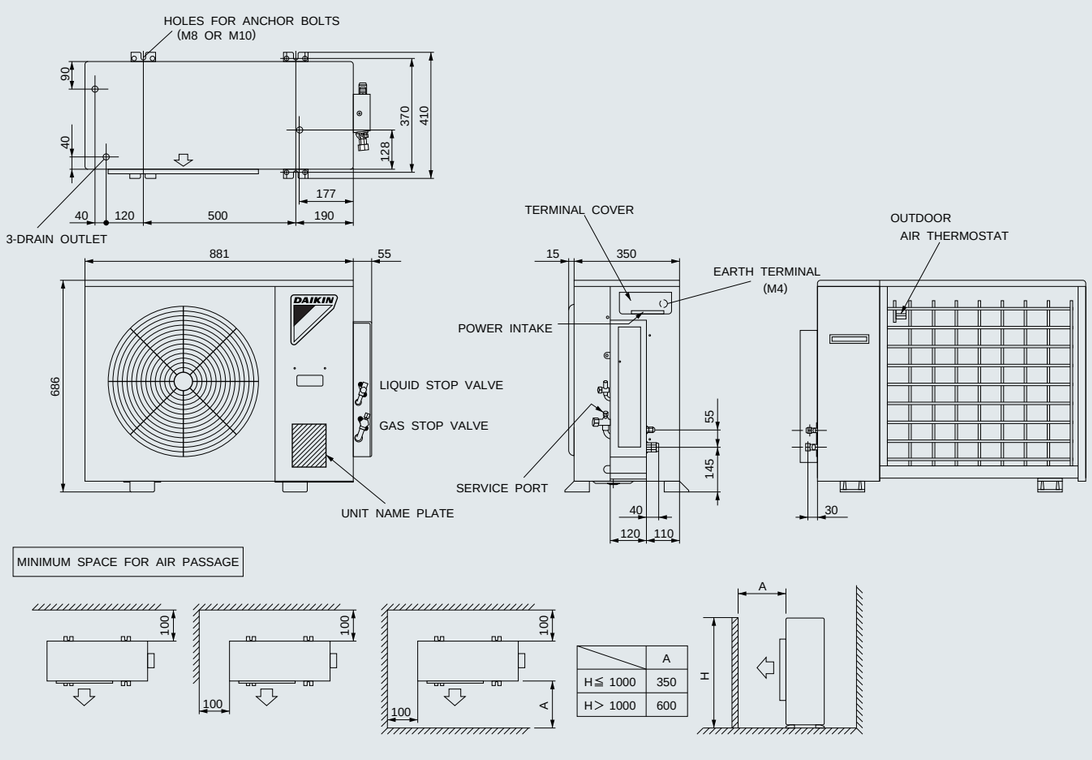


DIMENSIONS (Unit: mm)

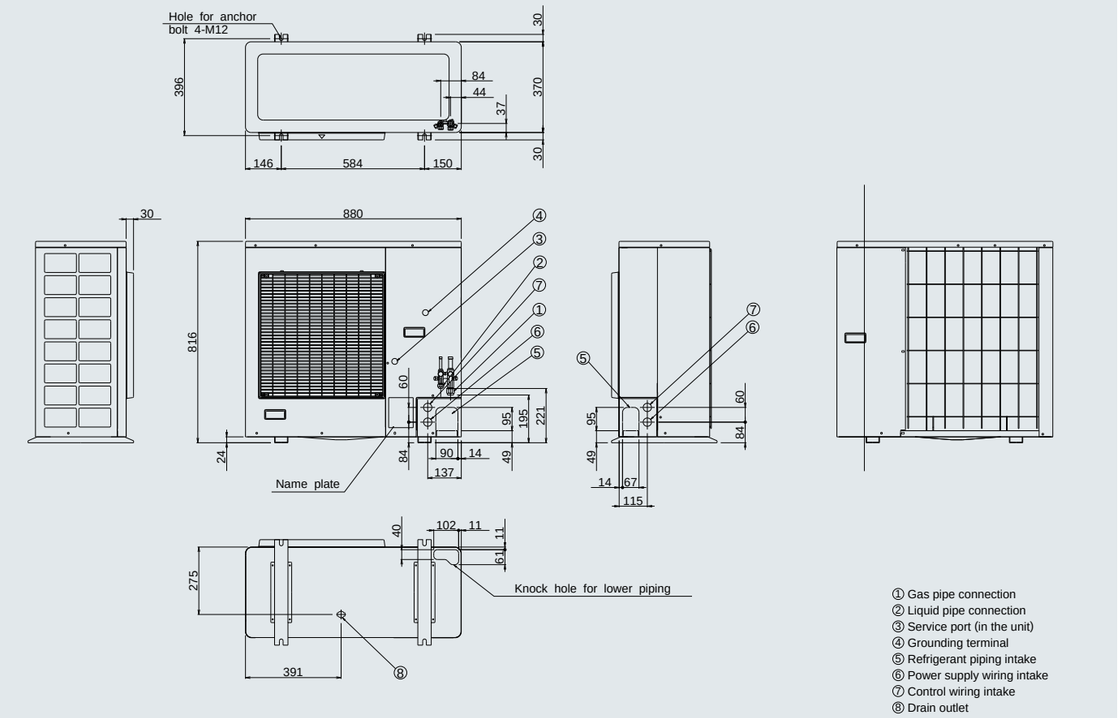
OUTDOOR UNIT // RY50GAV1A, R60GV1



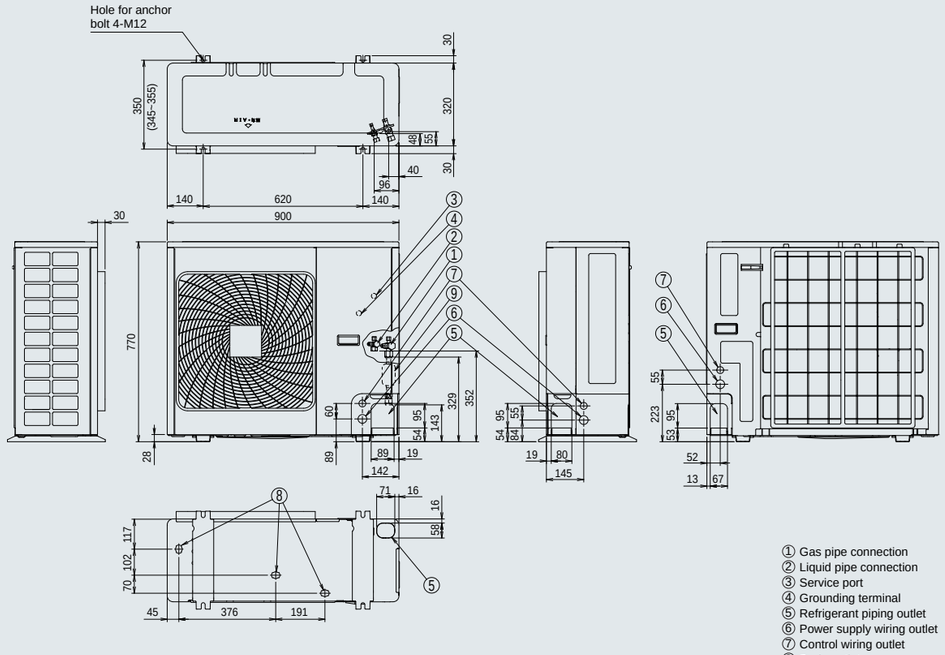
OUTDOOR UNIT // RY60GAV1A



OUTDOOR UNIT // R71FUY1, RG71AV1/AY1



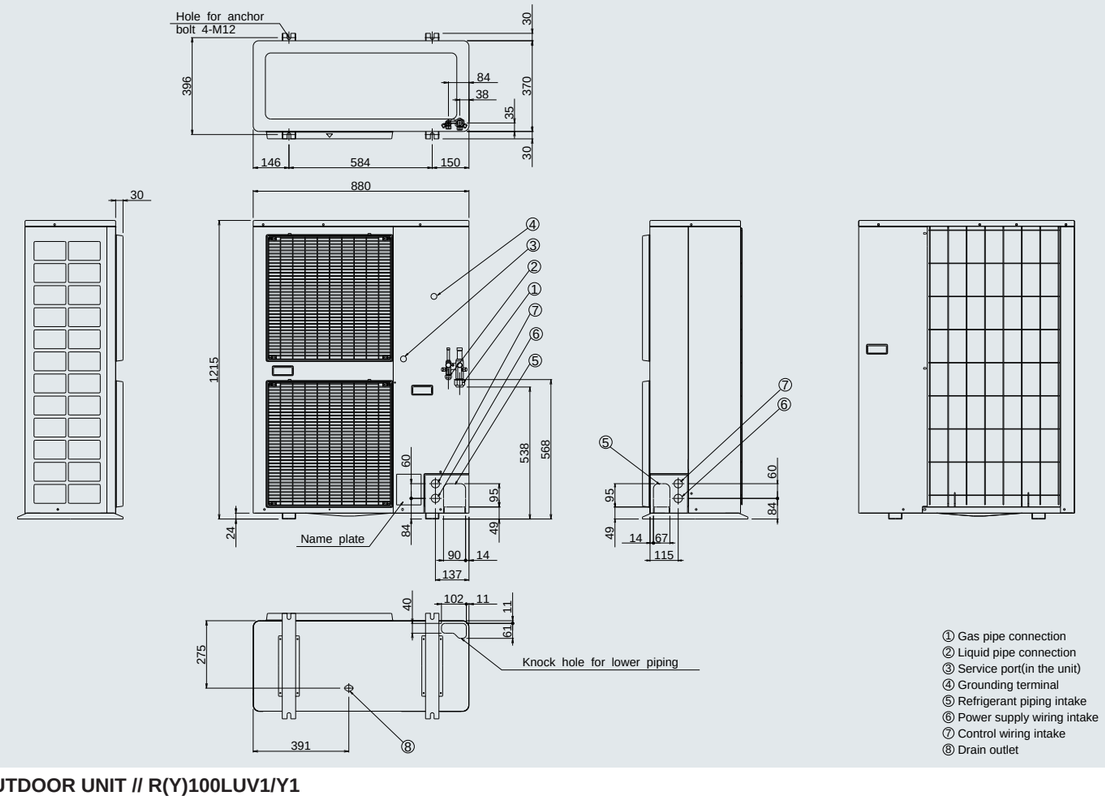
OUTDOOR UNIT // R(Y)71LUV1/Y1



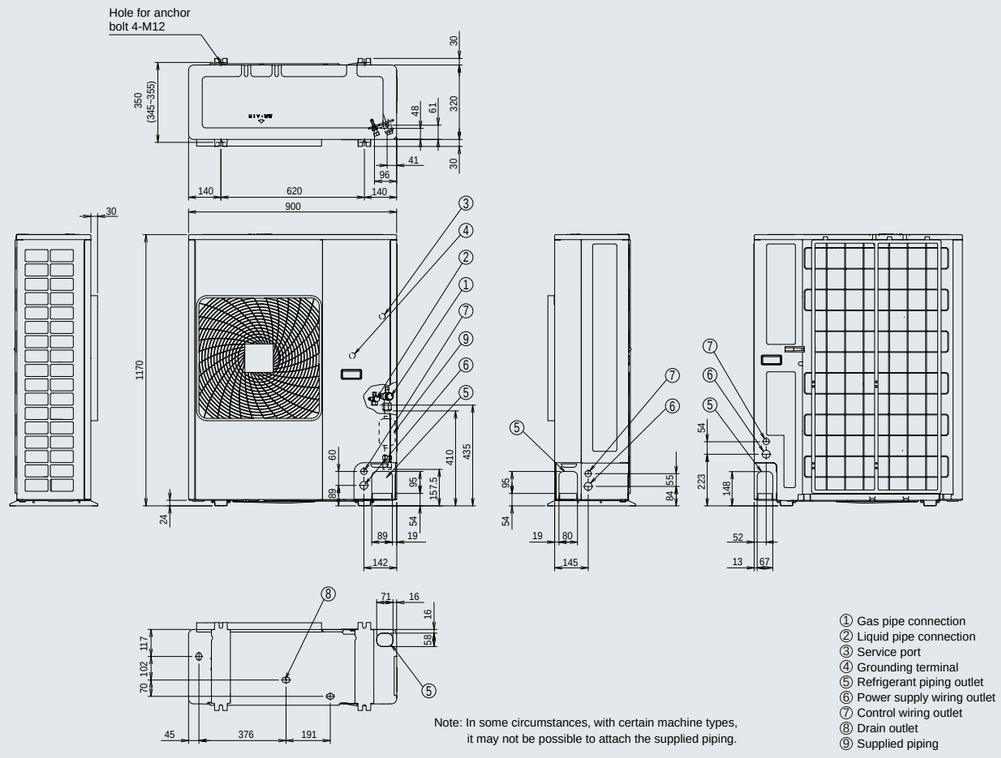
Note: In some circumstances, with certain machine types, it may not be possible to attach the supplied piping.

DIMENSIONS (Unit: mm)

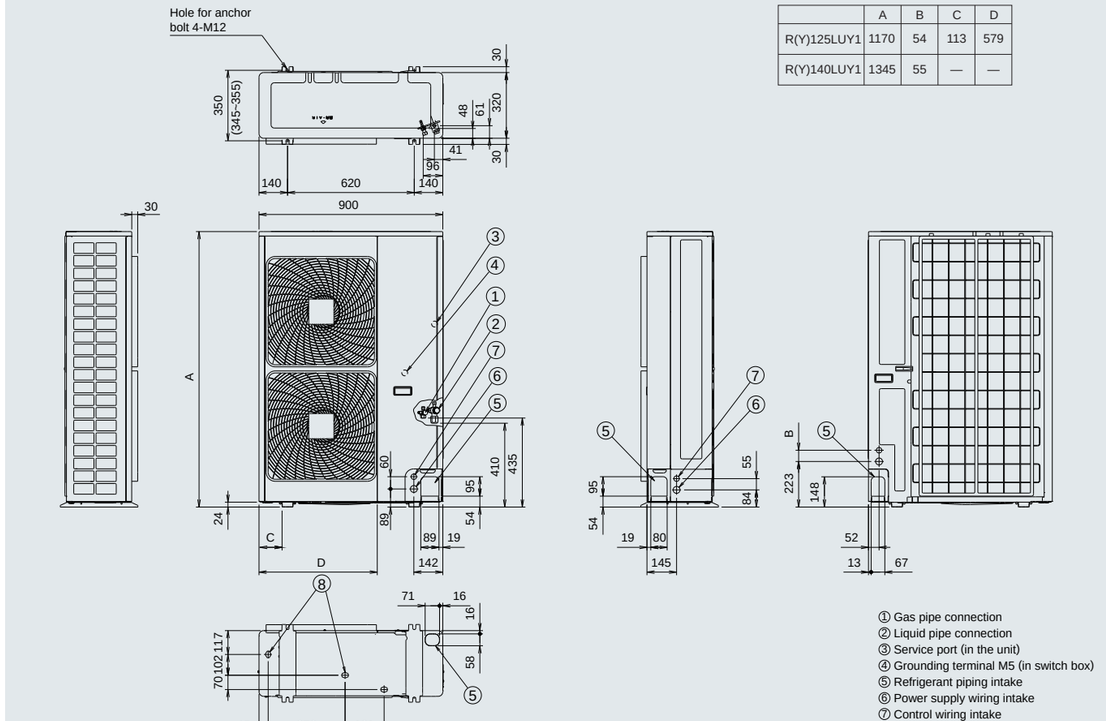
OUTDOOR UNIT // R100FUV1/Y1, 125FUY1


Hole for anchor bolt 4-M12
Name plate
Knock hole for lower piping
① Gas pipe connection
② Liquid pipe connection
③ Service port(in the unit)
④ Grounding terminal
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Control wiring intake
⑧ Drain outlet

OUTDOOR UNIT // R(Y)100LUV1/Y1

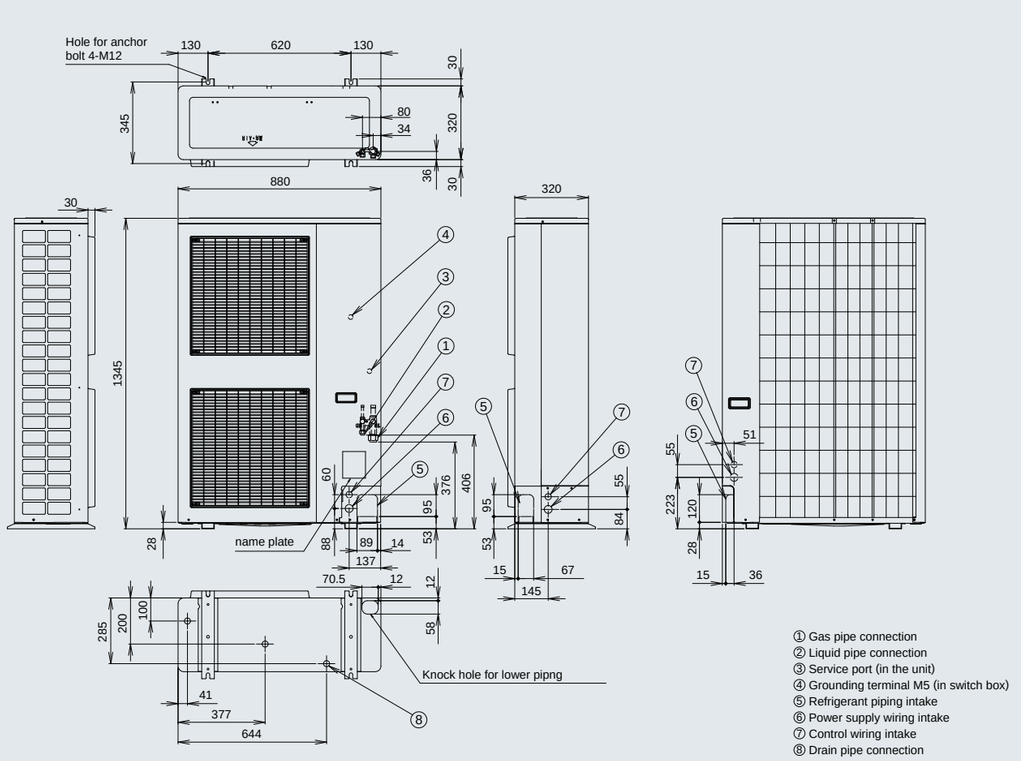

Hole for anchor bolt 4-M12
Note: In some circumstances, with certain machine types, it may not be possible to attach the supplied piping.
① Gas pipe connection
② Liquid pipe connection
③ Service port
④ Grounding terminal
⑤ Refrigerant piping outlet
⑥ Power supply wiring outlet
⑦ Control wiring outlet
⑧ Drain outlet
⑨ Supplied piping

OUTDOOR UNIT // R(Y)125LUY1, 140LUY1


Hole for anchor bolt 4-M12
① Gas pipe connection
② Liquid pipe connection
③ Service port (in the unit)
④ Grounding terminal M5 (in switch box)
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Control wiring intake
⑧ Drain pipe connection

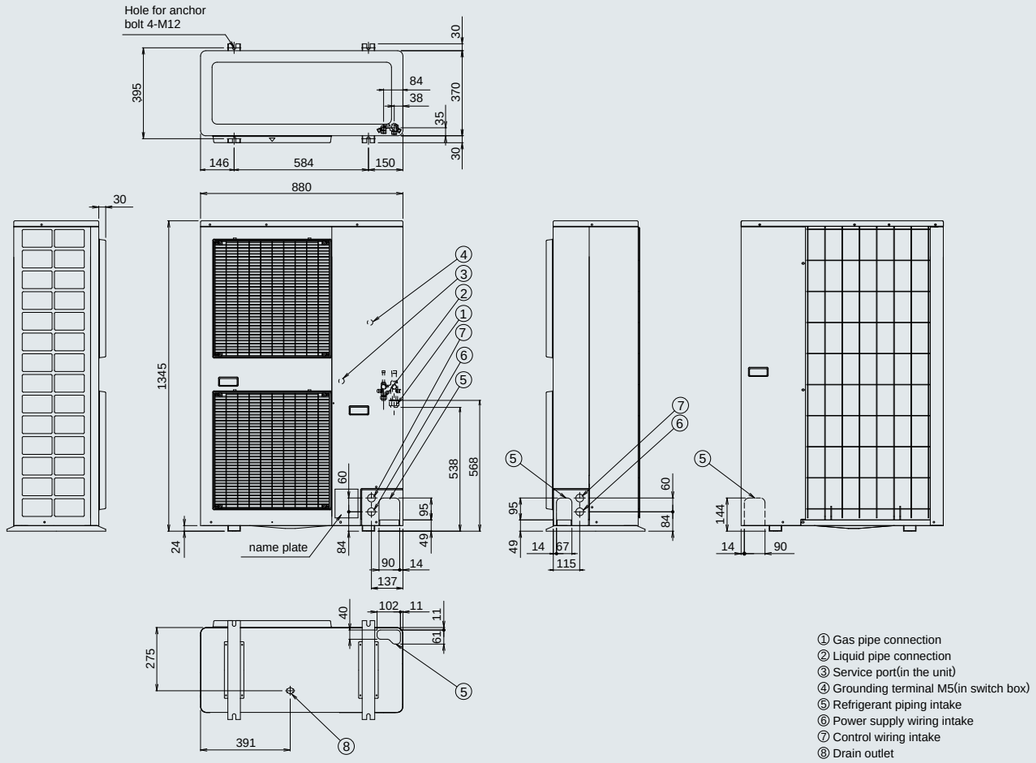
	A	B	C	D
R(Y)125LUY1	1170	54	113	579
R(Y)140LUY1	1345	55	—	—

OUTDOOR UNIT // RU06KY1


Hole for anchor bolt 4-M12
name plate
Knock hole for lower pipng
① Gas pipe connection
② Liquid pipe connection
③ Service port (in the unit)
④ Grounding terminal M5 (in switch box)
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Control wiring intake
⑧ Drain pipe connection

DIMENSIONS (Unit: mm)

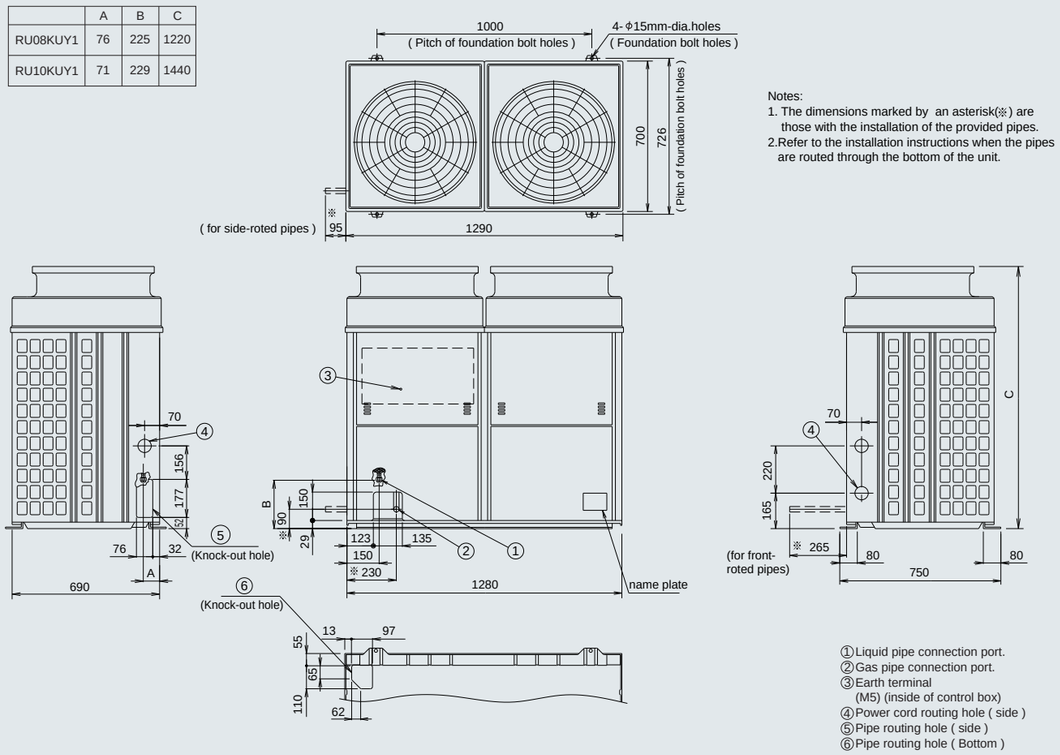
OUTDOOR UNIT // RG140AY1/180AY1



① Gas pipe connection
② Liquid pipe connection
③ Service port(in the unit)
④ Grounding terminal M5(in switch box)
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Control wiring intake
⑧ Drain outlet

OUTDOOR UNIT // RU08KUY1/10KUY1

	A	B	C
RU08KUY1	76	225	1220
RU10KUY1	71	229	1440

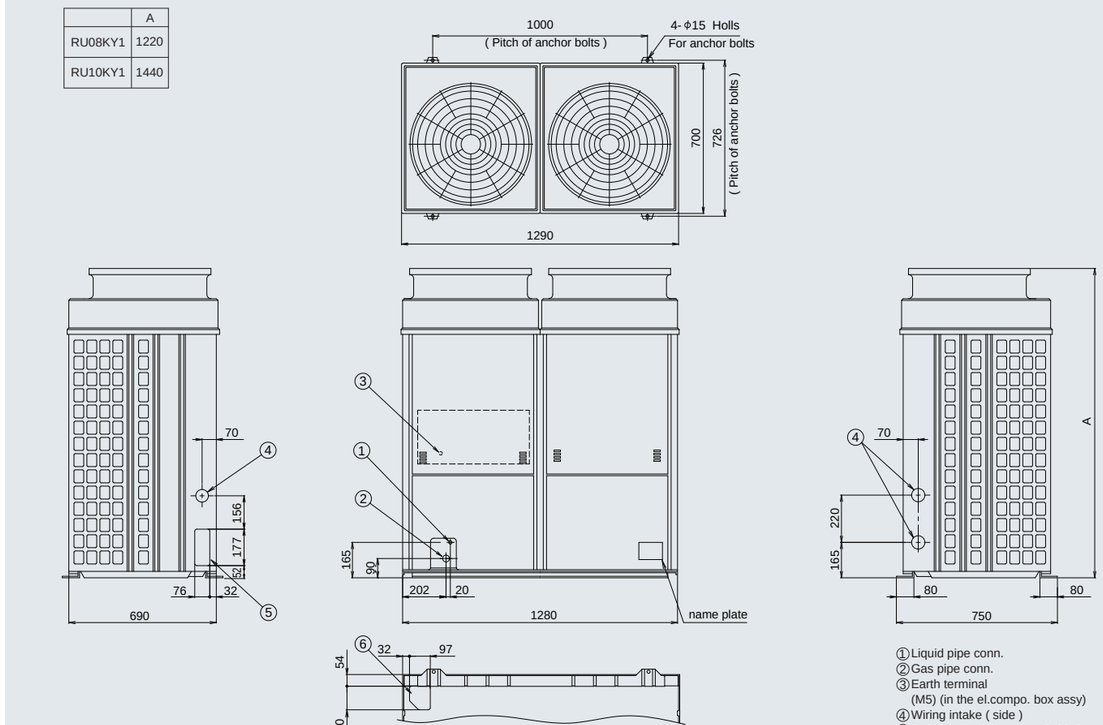


Notes:
1. The dimensions marked by an asterisk(※) are those with the installation of the provided pipes.
2.Refer to the installation instructions when the pipes are routed through the bottom of the unit.

①Liquid pipe connection port.
②Gas pipe connection port.
③Earth terminal (M5) (inside of control box)
④Power cord routing hole (side)
⑤Pipe routing hole (side)
⑥Pipe routing hole (Bottom)

OUTDOOR UNIT // RU08KY1/10KY1

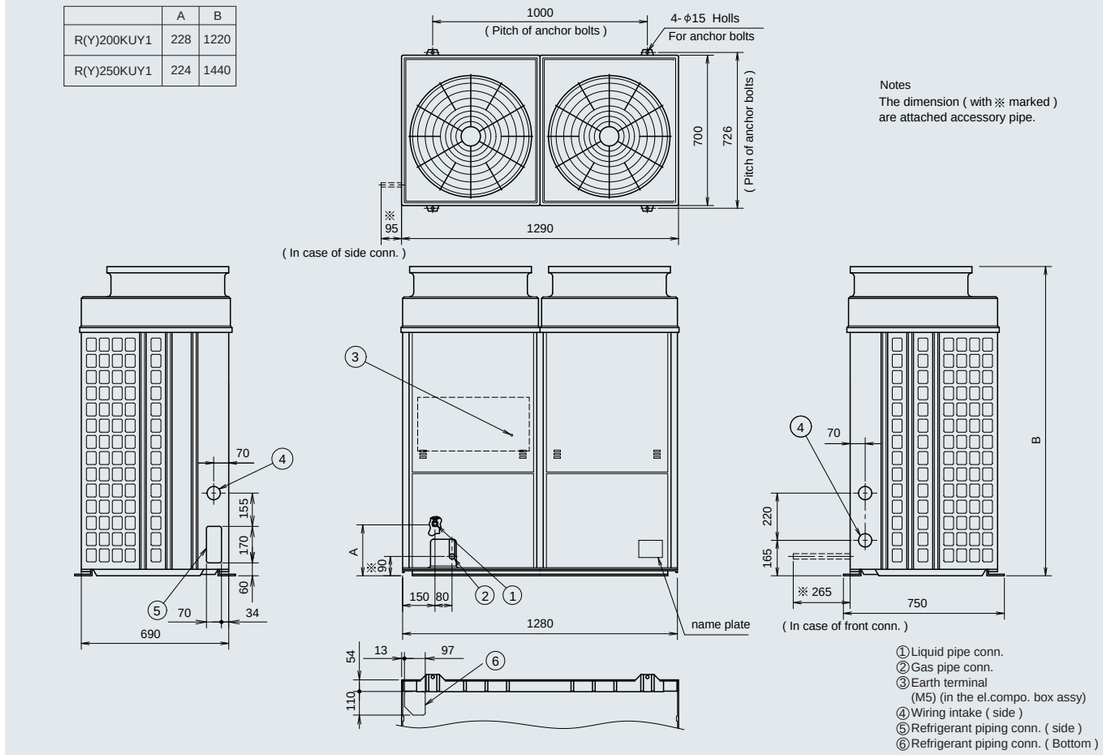
	A
RU08KY1	1220
RU10KY1	1440



①Liquid pipe conn.
②Gas pipe conn.
③Earth terminal (M5) (in the el.compo. box assy)
④Wiring intake (side)
⑤Refrigerant piping conn. (side)
⑥Refrigerant piping conn. (Bottom)

OUTDOOR UNIT // R(Y)200KUY1/250KUY1

	A	B
R(Y)200KUY1	228	1220
R(Y)250KUY1	224	1440


1000
(Pitch of anchor bolts)
4-Φ15 Holls
For anchor bolts
(Pitch of anchor bolts)
(In case of side conn.)
name plate
(In case of front conn.)

Notes
The dimension (with ※ marked) are attached accessory pipe.

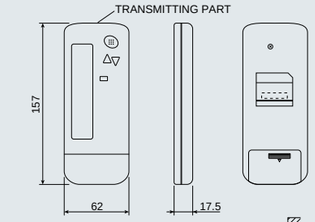
①Liquid pipe conn.
②Gas pipe conn.
③Earth terminal (M5) (in the el.compo. box assy)
④Wiring intake (side)
⑤Refrigerant piping conn. (side)
⑥Refrigerant piping conn. (Bottom)

DIMENSIONS (Unit: mm)

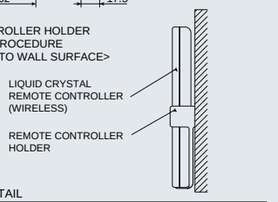
REMOTE CONTROLLER

《Wireless type》

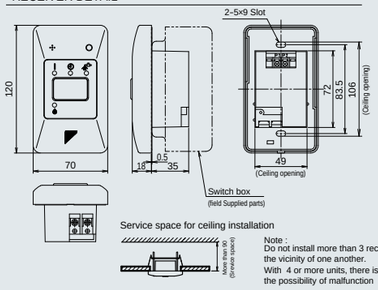
·REMOTE CONTROLLER DIMENSIONS



·REMOTE CONTROLLER HOLDER INSTALLATION PROCEDURE
<INSTALLATION TO WALL SURFACE>



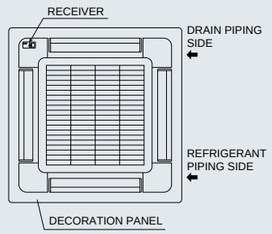
·RECEIVER DETAIL



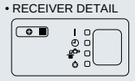
Note :
Do not install more than 3 receivers in the vicinity of one another.
With 4 or more units, there is always the possibility of malfunction

CEILING MOUNTED CASSETTE TYPE

•RECEIVER INSTALLATION PROCEDURE

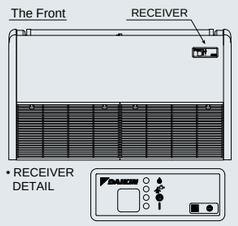


• RECEIVER DETAIL



CEILING SUSPENDED TYPE

•RECEIVER INSTALLATION PROCEDURE



• RECEIVER DETAIL

WALL MOUNTED TYPE

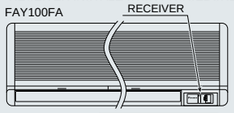
•RECEIVER INSTALLATION PROCEDURE

FAY71L

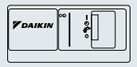
• RECEIVER DETAIL

•RECEIVER INSTALLATION PROCEDURE

FAY100FA

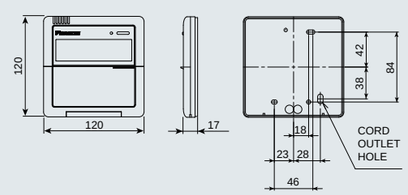


• RECEIVER DETAIL



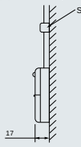
《Wired type》

•REMOTE CONTROLLER DIMENSIONS

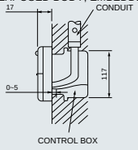


•REMOTE CONTROLLER INSTALLATION PROCEDURE

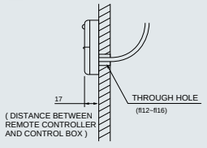
A EXPOSED BODY, EXPOSED CORD



B EXPOSED BODY, EMBEDDED CORD



C EXPOSED BODY, EMBEDDED CODE



NOTE) 1. REMOTE CONTROLLER CORD AND STAPLE ARE NOT ATTACHED. THEY ARE FIELD SUPPLIED PARTS.

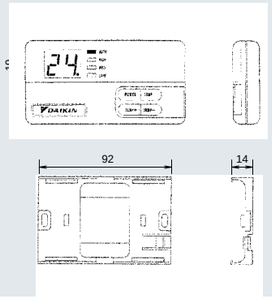
SPECIFICATIONS OF CORD

TYPE *	VINYL CORD WITH SHEATH OR CABLE (INSULATED THICKNESS: 1 mm OR MORE)
SIZE	0.75~1.25 mm^2
TOTAL LENGTH	500 m

* Countries requiring EMC: Shield wire (insulated thickness: 1 mm or more)

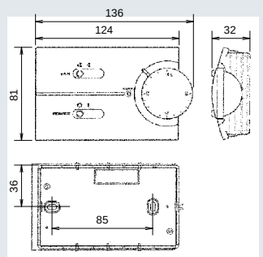
•DIGITAL REMOTE CONTROLLER

KRC47-2A/ KRC47-4A

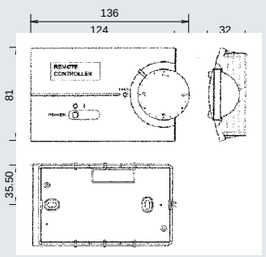


•REMOTE CONTROLLER

KRC47-1A



KRC47-3A



[Space required for outdoor unit installation] (Unit: mm)

Dimensions inside brackets [ ] indicate case where air direction adjustment guide is adjusted downward.

■ For R(Y)71LU-140LU

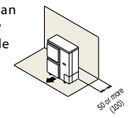
The values represent the case for the R(Y)71 type through R(Y)140 type.
The dimensions in ( ) are for the R(Y)100 and R(Y)140 type (The unit values is mm.)

When there is an obstruction on the inlet side

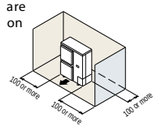
When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

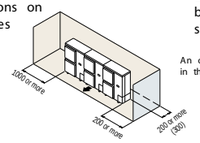


When there are obstructions on both sides



2. For series installation (more than two units)

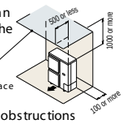
When there are obstructions on both sides



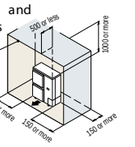
When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

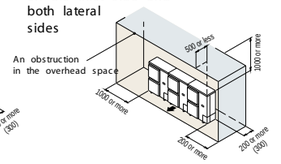


When there are obstructions on the inlet side and both lateral sides



2. For series installation (more than two units)

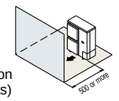
When there are obstructions on the inlet side and both lateral sides



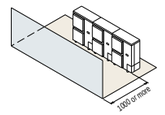
When there is an obstruction on the outlet side

When the overhead space is open

1. For single unit installation

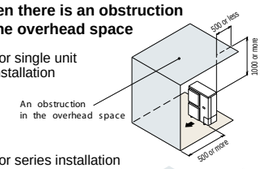


2. For series installation (more than two units)

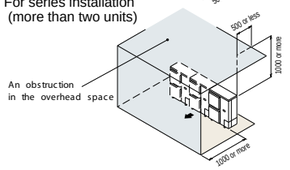


When there is an obstruction in the overhead space

1. For single unit installation



2. For series installation (more than two units)



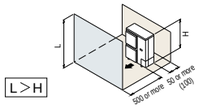
When there are obstructions on both the inlet and outlet sides

Pattern 1

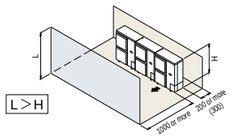
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

When the overhead space is open

1. For single unit installation



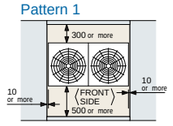
2. For series installation (more than two units)



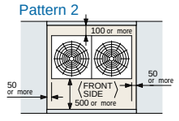
■ For R(Y)200KU/250KU

In case of single installation

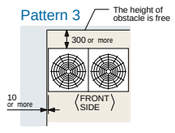
Pattern 1



Pattern 2

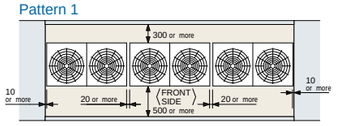


Pattern 3

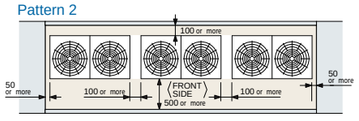


In case of parallel installation

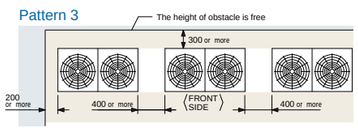
Pattern 1



Pattern 2

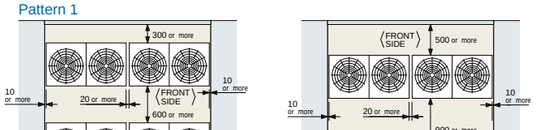


Pattern 3

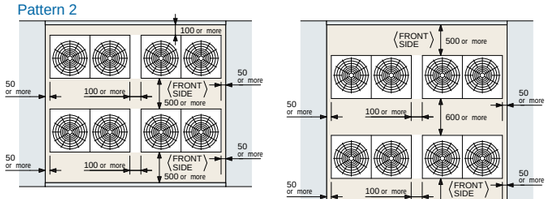


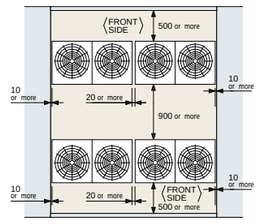
In case of set installation

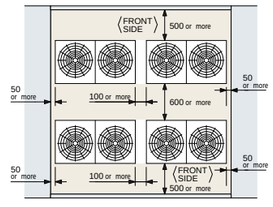
Pattern 1



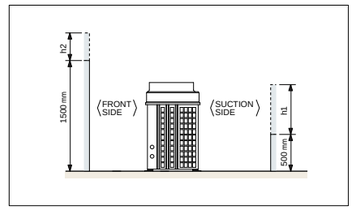
Pattern 2







Notes:
[1]Obstacies height of (Pattern 1) and (Pattern 2) shall be as follows:
Front side 1500 mm
Suction side 500 mm
Side No (imitation)
[2]For the service space. if the obstacle of height exceeds the above mentioned dimensions. half of the exceeded dimensions shall be added to the standard service space.
[3]When installing a unit. choose the most suitable one from this manual depending on actual conditions such as walking passage and ventilation.
(If the number of units is more than that shown in this manual. take short circuit into account.)
[4]For the service space for front side. take the service space required for field piping into account.



MEMO